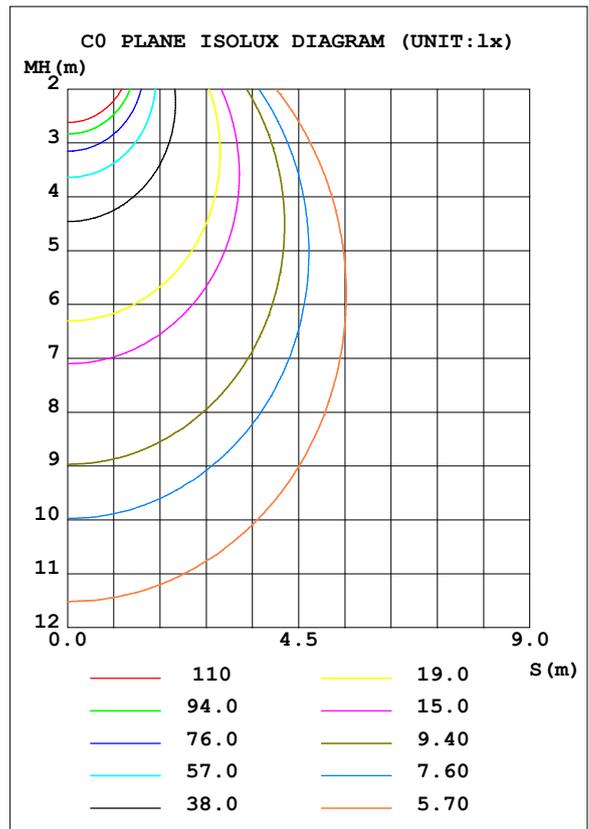
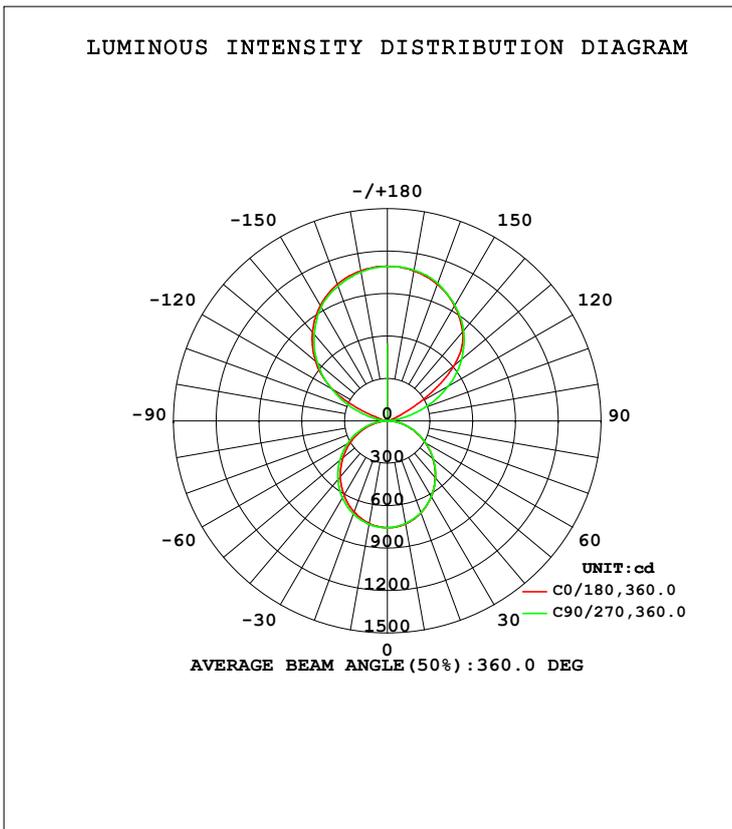


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-WH-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.76 lm/W			
MODEL		Imax (cd)	1095	S/MH (C0/180)	1.22
NOMINAL POWER (W)	40W	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	120.0	TOTAL FLUX (lm)	4959.5	$\eta$ UP, DN (C0-180)	29.3, 20.9
NOMINAL FLUX (lm)	4959.46	CIE CLASS	DIFFUSE	$\eta$ UP, DN (C180-360)	29.0, 20.9
LAMPS INSIDE	1	$\eta$ up (%)	58.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	$\eta$ down (%)	41.8	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity: 65.0%  
 Test Distance: 10.000m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

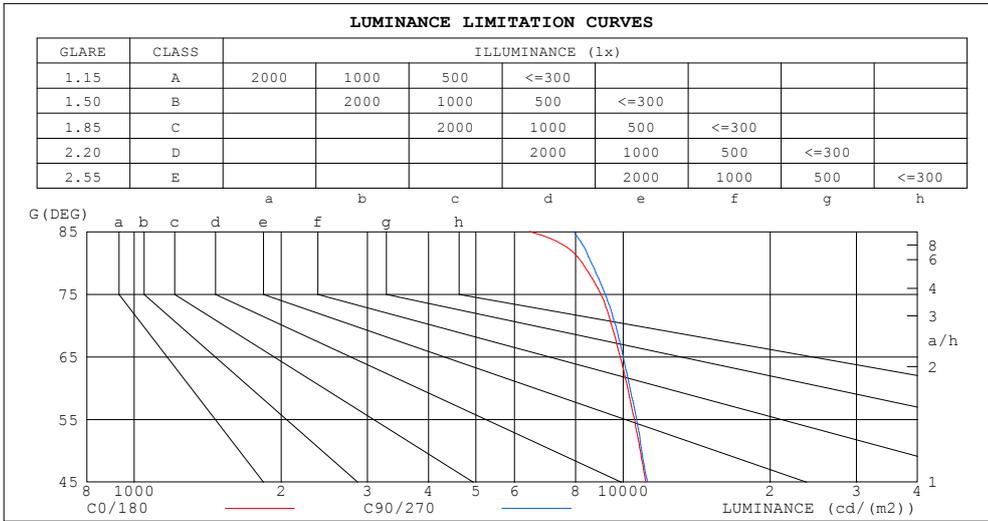
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	740.1	739.8	736.7	740.9	736.4	741.2	742.5	740.5	0- 10	71.37	71.37	1.44,1.44
20	692.0	691.7	689.0	693.0	685.5	693.1	700.2	692.2	10- 20	202.8	274.2	5.53,5.53
30	617.8	618.9	617.3	620.5	608.2	620.3	630.1	617.9	20- 30	303.2	577.4	11.6,11.6
40	524.0	526.3	526.2	529.0	513.9	527.5	540.4	524.7	30- 40	359.3	936.7	18.9,18.9
50	418.2	421.1	421.1	424.7	407.9	422.1	436.7	418.9	40- 50	366.5	1303	26.3,26.3
60	306.7	309.2	309.8	313.5	296.4	309.4	323.9	306.0	50- 60	327.1	1630	32.9,32.9
70	194.5	197.5	198.2	201.7	185.0	196.4	208.6	192.6	60- 70	250.2	1881	37.9,37.9
80	85.98	88.98	89.80	92.69	72.12	86.70	95.46	83.49	70- 80	149.1	2030	40.9,40.9
90	2.437	2.856	1.680	2.838	1.259	2.502	1.201	2.689	80- 90	41.07	2071	41.8,41.8
100	17.55	21.12	77.81	34.44	8.108	37.59	66.30	21.16	90-100	12.50	2083	42,42
110	45.64	112.0	280.7	244.7	106.5	251.3	245.6	126.4	100-110	96.57	2180	44,44
120	251.9	431.5	492.5	476.4	441.0	474.8	449.0	438.3	110-120	302.5	2482	50.1,50.1
130	613.4	659.8	681.5	670.7	657.3	664.9	640.2	653.7	120-130	494.1	2976	60,60
140	822.3	815.0	833.2	825.1	819.0	825.8	800.9	814.0	130-140	572.8	3549	71.6,71.6
150	942.3	940.0	946.4	949.2	940.9	943.3	929.1	934.2	140-150	552.8	4102	82.7,82.7
160	1028	1030	1036	1037	1028	1026	1014	1019	150-160	455.5	4558	91.9,91.9
170	1077	1079	1082	1083	1077	1076	1069	1074	160-170	298.3	4856	97.9,97.9
180	1092	1092	1092	1092	1092	1092	1092	1092	170-180	103.6	4959	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6441	7919
80	8252	8619
75	9004	9192
70	9480	9659
65	9867	10013
60	10224	10327
55	10548	10662
50	10843	10918
45	11123	11219

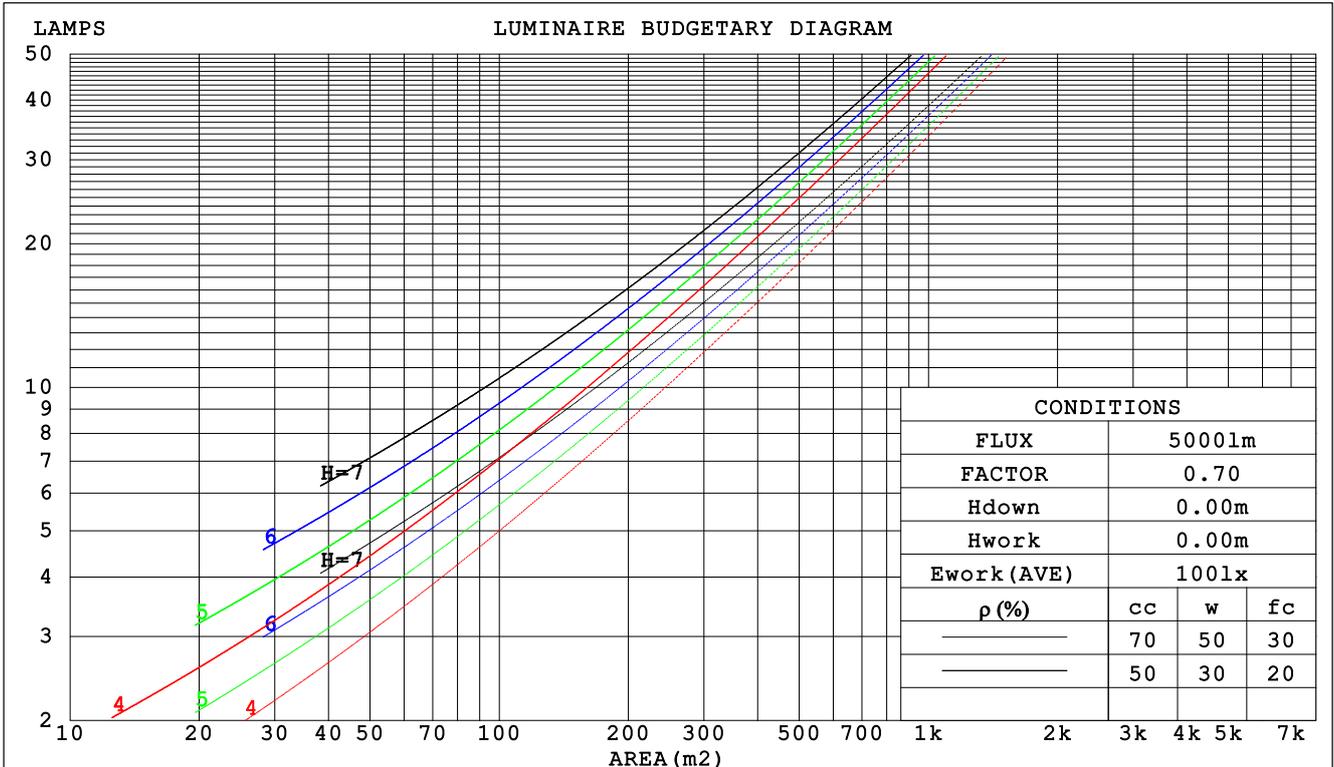
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.05	1.05	1.05	.96	.96	.96	.79	.79	.79	.63	.63	.63	.49	.49	.49	.42
1.0	.91	.88	.84	.84	.80	.77	.69	.66	.64	.55	.54	.52	.43	.42	.41	.35
2.0	.80	.74	.68	.73	.68	.63	.60	.56	.53	.48	.46	.43	.37	.36	.34	.29
3.0	.70	.63	.57	.64	.58	.53	.53	.48	.44	.43	.39	.37	.33	.31	.29	.24
4.0	.62	.54	.48	.57	.50	.44	.47	.42	.38	.38	.34	.31	.29	.27	.25	.21
5.0	.55	.47	.41	.50	.43	.38	.42	.37	.32	.34	.30	.27	.26	.24	.22	.18
6.0	.49	.41	.35	.45	.38	.33	.38	.32	.28	.31	.27	.24	.24	.21	.19	.16
7.0	.44	.36	.31	.41	.34	.29	.34	.29	.25	.28	.24	.21	.22	.19	.17	.14
8.0	.40	.32	.27	.37	.30	.25	.31	.26	.22	.25	.21	.18	.20	.17	.15	.13
9.0	.37	.29	.24	.34	.27	.23	.28	.23	.20	.23	.19	.16	.18	.16	.13	.11
10.0	.34	.26	.22	.31	.25	.20	.26	.21	.18	.21	.18	.15	.17	.14	.12	.10



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.279	.159	.050	.255	.145	.046	.209	.120	.038	.166	.096	.031	.127	.074	.024	
2.0	.259	.142	.044	.237	.131	.040	.195	.108	.034	.156	.088	.027	.120	.068	.021	
3.0	.240	.128	.038	.219	.117	.035	.181	.098	.030	.145	.079	.024	.112	.062	.019	
4.0	.222	.115	.034	.203	.106	.031	.167	.089	.027	.135	.072	.022	.104	.056	.017	
5.0	.205	.105	.030	.188	.097	.028	.155	.081	.024	.125	.066	.020	.097	.052	.016	
6.0	.191	.096	.027	.175	.088	.025	.145	.074	.022	.117	.061	.018	.090	.047	.014	
7.0	.178	.088	.025	.163	.081	.023	.135	.068	.020	.109	.056	.016	.084	.044	.013	
8.0	.167	.081	.023	.153	.075	.021	.127	.063	.018	.102	.052	.015	.079	.041	.012	
9.0	.156	.076	.021	.144	.070	.020	.119	.059	.017	.096	.048	.014	.075	.038	.011	
10.0	.147	.071	.020	.135	.065	.018	.112	.055	.016	.091	.045	.013	.070	.035	.010	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.634	.634	.634	.542	.542	.542	.370	.370	.370	.213	.213	.213	.068	.068	.068	
1.0	.626	.604	.584	.535	.518	.503	.366	.357	.348	.211	.206	.202	.068	.066	.065	
2.0	.618	.583	.552	.530	.501	.478	.363	.347	.333	.209	.202	.195	.067	.065	.064	
3.0	.612	.567	.531	.524	.489	.461	.360	.340	.323	.208	.198	.191	.067	.064	.062	
4.0	.605	.555	.517	.519	.480	.449	.357	.334	.316	.206	.196	.187	.066	.064	.062	
5.0	.599	.546	.507	.514	.472	.441	.354	.330	.312	.205	.194	.185	.066	.063	.061	
6.0	.592	.539	.500	.509	.467	.436	.351	.327	.308	.204	.192	.183	.066	.063	.060	
7.0	.587	.533	.495	.505	.462	.431	.349	.324	.306	.203	.191	.182	.065	.062	.060	
8.0	.581	.528	.491	.500	.458	.428	.346	.321	.304	.201	.190	.181	.065	.062	.060	
9.0	.576	.523	.488	.496	.454	.426	.344	.319	.302	.200	.189	.180	.065	.062	.060	
10.0	.571	.520	.485	.492	.451	.424	.341	.317	.301	.199	.188	.180	.065	.062	.060	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm										
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5					TYPE:3000K			WEIGHT:		
SPEC.:					DIM.: 4FFT			SERIAL No.:		
MFR.:					SUR.:1.2*0.05			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	17.0	17.9	17.9	18.8	20.0	17.0	17.9	18.0	18.8	20.1
3H	18.4	19.2	19.4	20.1	21.4	18.5	19.2	19.4	20.2	21.5
4H	19.0	19.7	20.0	20.7	22.0	19.0	19.8	20.0	20.7	22.0
6H	19.4	20.1	20.4	21.0	22.3	19.5	20.1	20.5	21.1	22.4
8H	19.5	20.1	20.5	21.1	22.4	19.6	20.2	20.6	21.2	22.5
12H	19.5	20.2	20.5	21.1	22.5	19.7	20.3	20.7	21.3	22.6
4H 2H	17.4	18.2	18.4	19.1	20.4	17.4	18.2	18.4	19.1	20.4
3H	19.0	19.6	20.0	20.6	21.9	19.0	19.7	20.0	20.7	22.0
4H	19.7	20.2	20.7	21.3	22.6	19.7	20.3	20.8	21.3	22.6
6H	20.2	20.7	21.2	21.7	23.1	20.3	20.8	21.3	21.8	23.2
8H	20.4	20.8	21.4	21.8	23.2	20.5	20.9	21.5	21.9	23.3
12H	20.4	20.8	21.5	21.9	23.3	20.6	21.0	21.6	22.0	23.4
8H 4H	19.8	20.3	20.9	21.3	22.7	19.9	20.3	20.9	21.4	22.7
6H	20.5	20.9	21.6	21.9	23.3	20.6	20.9	21.6	22.0	23.4
8H	20.7	21.1	21.8	22.1	23.6	20.8	21.2	21.9	22.2	23.6
12H	20.9	21.2	22.0	22.2	23.7	21.0	21.3	22.1	22.4	23.8
12H 4H	19.8	20.2	20.9	21.3	22.7	19.8	20.3	20.9	21.3	22.7
6H	20.5	20.8	21.6	21.9	23.3	20.6	20.9	21.7	22.0	23.4
8H	20.8	21.1	21.9	22.1	23.6	20.9	21.2	22.0	22.2	23.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 4959 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.6)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

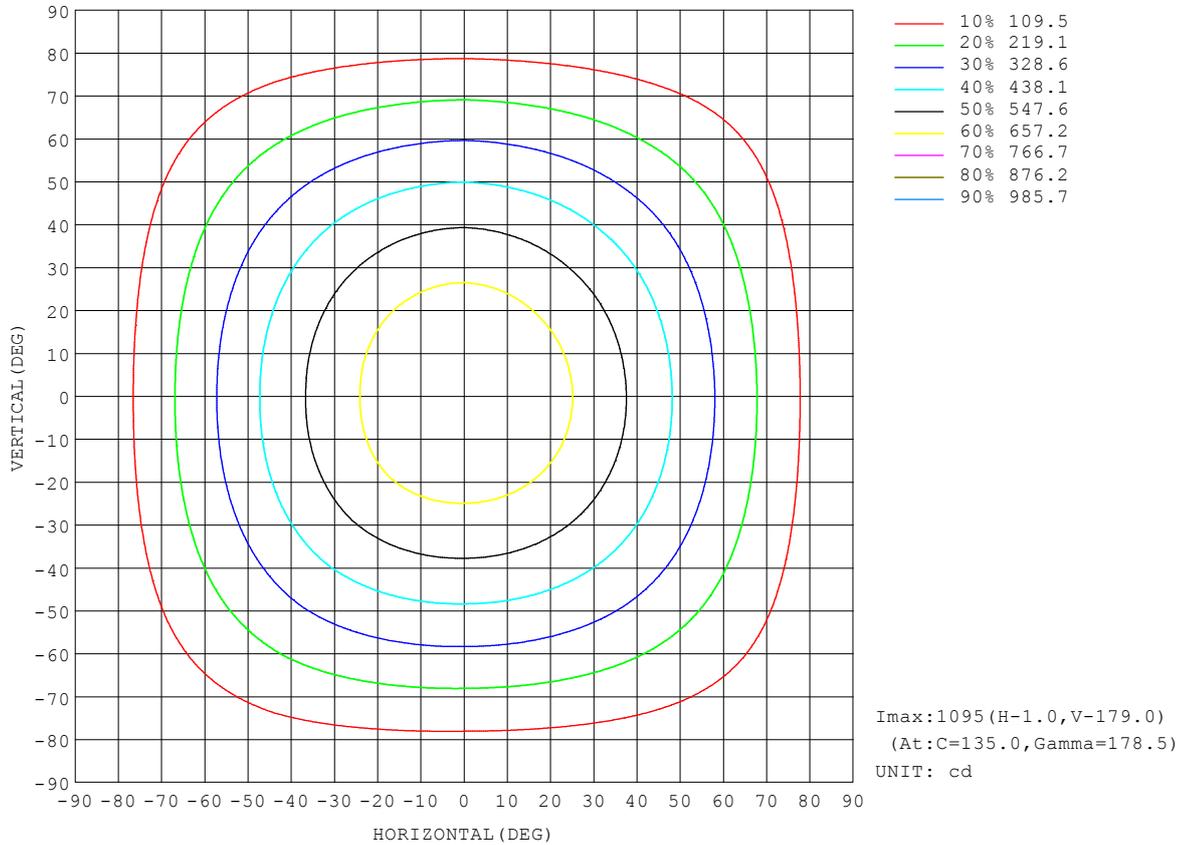
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	42	31	25	39	30	24	34	26	22	14
0.80	51	40	33	48	38	31	41	33	28	17
1.00	59	48	40	55	45	38	46	40	34	21
1.25	66	55	48	61	51	45	51	44	39	24
1.50	71	61	53	65	56	50	55	48	43	26
2.00	78	69	62	72	64	58	60	54	50	29
2.50	83	74	68	76	69	63	63	58	54	31
3.00	86	79	73	79	72	67	65	61	57	33
4.00	91	84	79	83	77	73	68	65	62	35
5.00	93	88	83	85	81	77	70	67	64	36
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

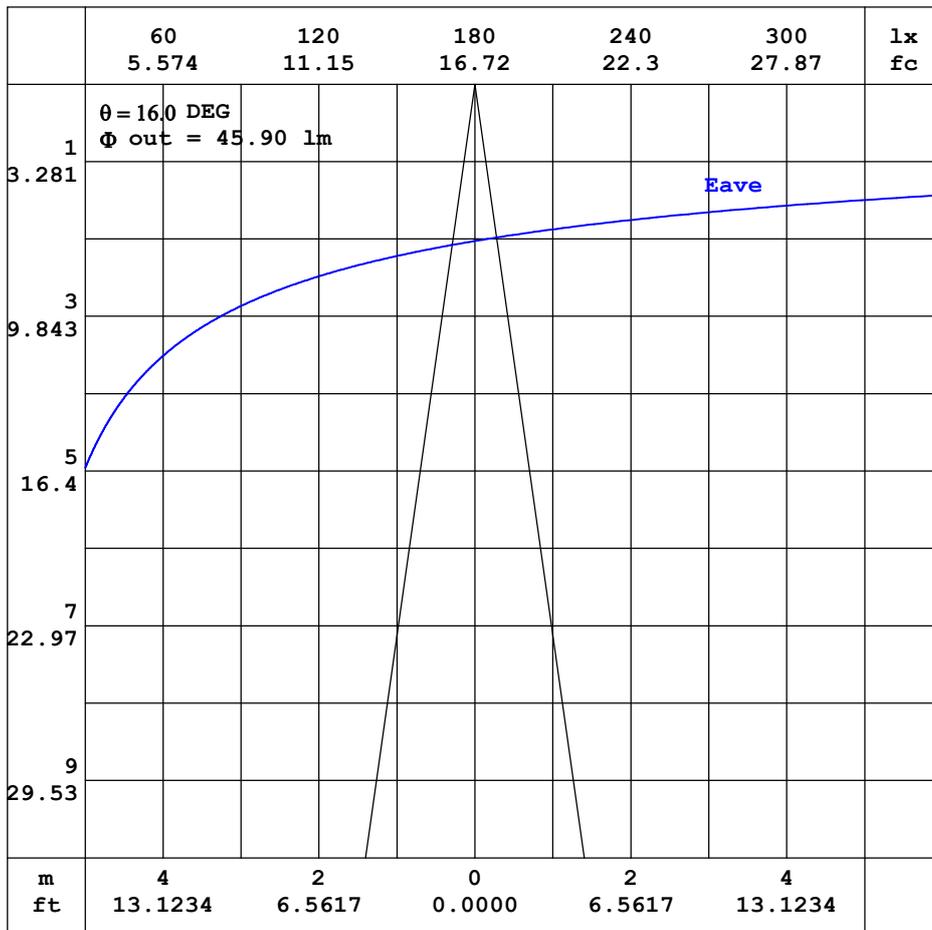


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

AAI CURVES

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:



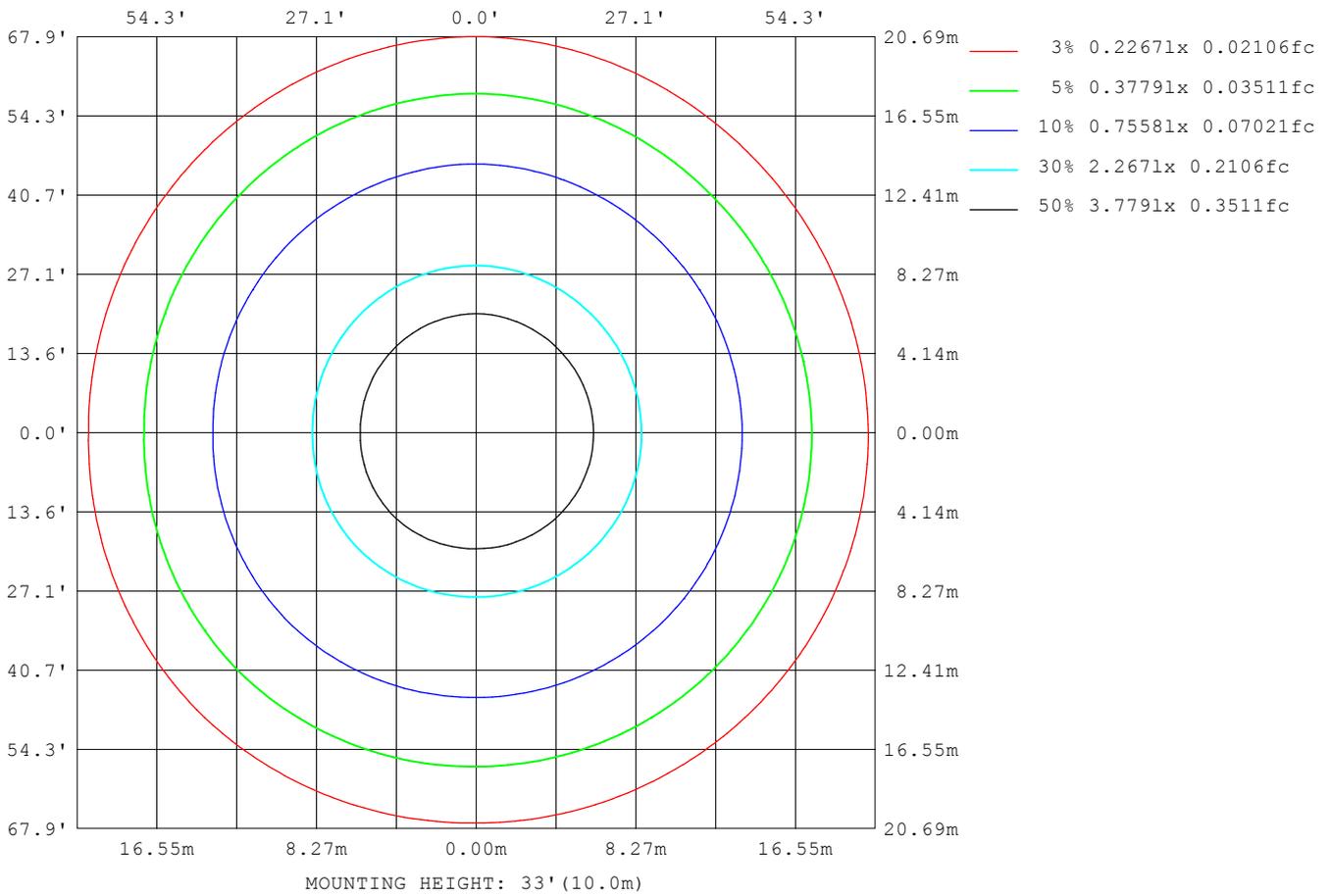
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

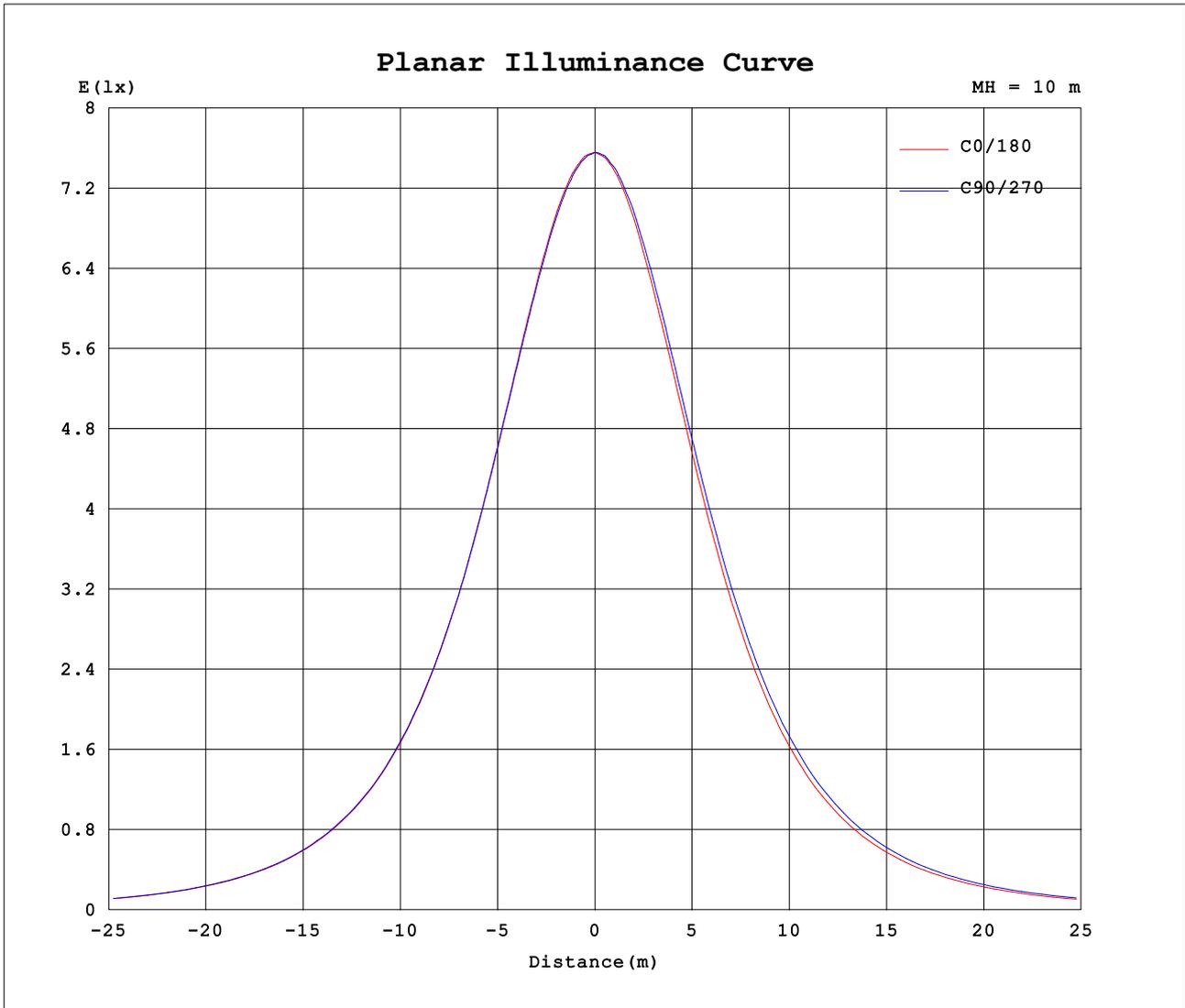
AvgL	cd/m2
L_0~180 (65) av	9670
L_0~180 (75) av	8584
L_0~180 (85) av	5277
L_90~270 (65) av	10256
L_90~270 (75) av	9463
L_90~270 (85) av	8184
L_45 (65) av	9982
L_45 (75) av	9141
L_45 (85) av	6874

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity: 65.0%  
 Test Distance: 10.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756
5	752	752	752	752	752	752	752	752	752	751	751	751	751	750	750	750	750	750	750
10	740	740	740	740	740	740	740	740	740	740	739	739	739	738	738	737	737	737	737
15	720	720	720	720	720	720	720	720	720	719	719	718	718	718	717	717	716	716	716
20	692	692	692	692	692	692	692	692	692	692	691	691	691	690	690	690	689	689	689
25	658	658	658	658	658	658	658	658	658	658	658	658	658	657	657	657	657	657	657
30	618	618	618	618	619	619	619	619	619	619	619	619	618	618	618	618	617	617	617
35	572	573	573	574	574	574	574	575	575	575	574	574	574	573	573	573	572	572	572
40	524	524	525	525	525	526	526	526	526	526	526	526	526	526	526	526	526	526	526
45	472	472	473	473	473	474	474	474	474	475	475	475	475	475	475	476	476	476	476
50	418	419	419	419	420	420	420	421	421	421	421	421	421	421	421	421	421	421	421
55	363	363	364	364	365	365	365	366	366	366	366	366	366	366	367	367	367	367	367
60	307	307	307	308	308	308	309	309	309	309	309	309	309	309	309	310	310	310	310
65	250	251	251	252	252	252	253	253	253	253	254	254	254	254	254	254	254	254	254
70	195	195	195	196	196	196	197	197	197	197	198	198	198	198	198	198	198	198	198
75	140	140	141	141	141	141	142	142	142	142	142	142	142	142	142	142	143	143	143
80	86.0	86.4	86.8	87.2	87.6	87.9	88.2	88.5	88.8	89.0	89.1	89.2	89.3	89.4	89.4	89.5	89.6	89.7	89.8
85	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.6	38.1	38.5	39.0	39.4	39.9	40.2	40.6	40.9	41.2	41.4
90	2.44	2.56	2.67	2.75	2.82	2.87	2.89	2.90	2.89	2.86	2.73	2.59	2.45	2.30	2.15	2.01	1.88	1.77	1.68
95	3.36	2.67	2.16	1.85	1.73	1.80	2.06	2.52	3.16	4.00	5.91	7.95	10.0	12.1	14.1	16.0	17.7	19.1	20.1
100	17.6	15.3	13.7	12.8	12.6	13.0	14.0	15.7	18.1	21.1	27.6	34.5	41.7	48.9	55.9	62.5	68.5	73.7	77.8
105	29.7	23.8	19.5	16.8	15.7	16.3	18.5	22.4	27.9	35.0	50.0	66.2	83.1	100	117	133	148	161	172
110	45.6	47.9	51.5	56.4	62.5	69.8	78.5	88.4	99.6	112	131	152	172	193	213	232	250	267	281
115	106	126	145	164	183	201	218	236	252	268	286	303	319	334	349	361	373	383	392
120	252	278	302	325	346	366	385	402	417	431	443	454	463	471	477	483	487	490	493
125	439	457	475	490	505	519	532	543	553	563	570	576	581	586	589	591	593	594	595
130	613	620	626	632	637	642	647	652	656	660	664	667	670	673	675	677	679	681	681
135	740	740	739	739	739	740	740	741	742	743	745	747	749	751	753	756	757	759	761
140	822	820	818	817	816	815	815	814	815	815	817	819	821	823	825	827	830	832	833
145	885	884	883	882	881	880	880	880	880	880	882	883	885	886	888	890	891	893	894
150	942	942	941	941	940	940	940	940	940	940	940	941	942	943	943	944	945	946	946
155	990	990	990	991	991	991	991	991	991	992	992	992	992	992	992	992	992	993	993
160	1028	1028	1028	1028	1028	1029	1029	1029	1029	1030	1030	1031	1032	1033	1033	1034	1035	1035	1036
165	1056	1056	1056	1056	1057	1057	1057	1058	1058	1058	1059	1060	1061	1062	1062	1063	1064	1065	1065
170	1077	1077	1077	1077	1078	1078	1078	1078	1078	1079	1079	1079	1080	1080	1080	1081	1081	1081	1082
175	1091	1091	1090	1090	1090	1090	1090	1090	1090	1090	1091	1091	1091	1092	1092	1093	1093	1093	1094
180	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756
5	750	750	751	751	752	752	752	753	753	753	753	752	752	752	751	751	751	750	751
10	737	738	738	739	739	740	740	741	741	740	740	739	739	738	738	737	737	736	737
15	716	717	717	718	719	719	720	720	721	720	719	719	718	717	716	715	715	714	714
20	689	690	690	691	692	692	692	693	693	692	691	690	690	689	688	687	686	685	686
25	657	658	658	659	659	659	659	660	660	659	657	656	655	654	652	651	651	650	650
30	618	618	619	619	620	620	620	621	621	619	618	616	615	613	612	610	609	608	609
35	573	574	574	575	576	576	577	577	577	576	574	572	570	568	567	565	564	563	563
40	527	527	528	528	529	529	529	529	529	527	526	524	522	520	518	516	515	514	515
45	476	477	477	478	478	478	478	478	478	476	474	472	470	468	467	465	464	462	463
50	422	422	423	424	424	425	425	425	425	423	421	419	417	415	413	411	409	408	409
55	368	368	369	369	370	370	370	370	370	368	366	364	362	359	357	355	354	352	353
60	310	311	312	312	313	313	314	314	313	312	310	308	305	303	301	299	298	296	297
65	255	255	256	256	257	257	257	257	257	255	253	251	249	247	245	243	242	240	241
70	199	200	200	201	201	202	202	202	202	200	198	196	194	192	190	188	186	185	185
75	144	144	145	146	146	147	147	147	147	145	142	140	137	135	132	130	128	127	127
80	90.5	91.2	91.8	92.3	92.8	93.1	93.2	93.1	92.7	90.5	88.1	85.5	82.9	80.4	77.9	75.7	73.7	72.1	72.8
85	41.8	42.1	42.3	42.4	42.4	42.2	41.9	41.4	40.6	38.5	36.2	33.8	31.4	29.1	26.8	24.8	23.0	21.5	21.9
90	1.79	1.91	2.06	2.21	2.36	2.51	2.64	2.75	2.84	2.70	2.53	2.34	2.14	1.94	1.75	1.56	1.40	1.26	1.36
95	19.0	17.5	15.8	13.9	11.8	9.65	7.49	5.39	3.41	2.74	2.24	1.89	1.68	1.59	1.59	1.69	1.84	2.05	1.86
100	75.8	72.7	68.7	63.9	58.6	52.8	46.7	40.6	34.4	30.0	25.7	21.9	18.3	15.2	12.6	10.5	8.99	8.11	9.66
105	170	166	160	152	143	133	122	111	99.8	91.3	83.1	75.5	68.5	62.2	56.9	52.6	49.5	47.6	51.5
110	285	287	286	284	279	273	265	256	245	227	209	191	173	156	140	126	115	107	117
115	395	396	396	395	392	388	382	376	369	358	346	335	323	312	302	294	286	281	287
120	493	494	493	491	489	487	484	480	476	472	467	462	458	453	449	446	443	441	444
125	595	594	593	591	589	587	584	582	579	576	573	571	568	566	563	561	560	558	560
130	681	681	680	679	678	676	674	673	671	669	667	665	664	662	661	659	658	657	658
135	760	760	759	759	757	756	755	754	752	751	749	748	747	746	745	744	743	743	744
140	833	833	832	831	830	829	828	826	825	824	823	822	822	821	820	820	819	819	820
145	894	894	894	893	893	892	891	891	890	889	888	887	887	886	885	885	884	884	885
150	947	948	948	949	949	949	949	949	949	948	948	947	946	945	944	943	942	941	941
155	994	995	996	997	998	998	999	999	1000	999	998	997	996	994	993	992	991	989	989
160	1036	1037	1037	1037	1037	1037	1037	1037	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1028
165	1065	1066	1066	1066	1066	1065	1065	1065	1064	1064	1063	1063	1062	1061	1060	1060	1059	1058	1058
170	1082	1082	1083	1083	1083	1083	1083	1083	1083	1083	1082	1081	1081	1080	1079	1078	1078	1077	1077
175	1094	1094	1094	1093	1093	1093	1093	1093	1092	1092	1092	1092	1091	1091	1091	1090	1090	1090	1090
180	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756
5	751	751	751	751	752	752	752	752	753	753	753	753	753	752	752	752	752	752	752
10	737	738	738	739	739	740	741	741	742	742	742	742	742	742	743	743	743	742	742
15	715	715	716	717	717	718	719	720	721	721	722	723	723	724	724	724	725	724	724
20	686	687	688	689	690	691	692	693	694	695	696	697	698	699	699	700	700	700	699
25	651	652	653	655	656	657	659	660	661	662	664	664	665	666	667	667	667	667	666
30	610	611	612	614	615	617	619	620	622	623	625	626	627	628	629	630	630	629	628
35	564	565	567	568	570	572	574	576	578	579	581	583	584	585	586	587	587	586	585
40	515	517	518	520	522	523	525	527	529	531	533	535	537	538	539	540	540	539	538
45	464	465	467	468	470	472	474	476	478	481	483	484	486	488	489	490	490	489	488
50	409	411	412	414	416	418	420	422	424	426	429	430	432	434	435	436	437	435	434
55	354	355	356	358	360	362	364	366	368	370	373	375	376	378	379	380	381	380	378
60	298	299	300	302	303	305	307	309	312	314	316	318	319	321	322	323	324	323	321
65	242	243	244	246	247	249	251	253	255	257	259	261	262	264	265	266	266	265	263
70	186	187	188	190	191	193	195	196	198	200	202	203	205	206	207	208	209	207	206
75	128	130	131	133	135	137	139	141	143	145	146	147	149	150	150	151	151	150	149
80	73.8	75.1	76.7	78.5	80.5	82.5	84.6	86.7	88.2	89.7	91.0	92.2	93.2	94.1	94.8	95.2	95.5	94.5	93.4
85	22.7	23.8	25.1	26.6	28.3	30.1	32.0	33.8	35.5	37.1	38.6	40.0	41.2	42.3	43.1	43.8	44.2	43.2	42.0
90	1.48	1.62	1.78	1.94	2.11	2.26	2.39	2.50	2.39	2.24	2.09	1.92	1.75	1.59	1.44	1.31	1.20	1.31	1.45
95	1.71	1.62	1.60	1.67	1.84	2.12	2.53	3.08	4.69	6.40	8.16	9.91	11.6	13.2	14.6	15.8	16.8	16.0	15.0
100	11.8	14.5	17.7	21.2	25.0	29.1	33.3	37.6	42.2	46.6	50.9	54.8	58.3	61.3	63.7	65.4	66.3	62.8	58.6
105	56.6	62.7	69.7	77.3	85.3	93.7	102	110	118	125	131	137	141	145	147	148	147	137	127
110	129	145	162	180	198	217	235	251	257	262	264	265	264	262	258	253	246	235	224
115	295	304	314	325	337	348	358	368	370	371	370	369	367	363	359	355	349	346	341
120	447	451	455	459	464	468	472	475	473	472	469	466	463	460	456	453	449	451	452
125	561	563	565	567	569	571	573	574	572	570	567	565	562	559	557	554	552	554	557
130	659	660	661	662	663	664	665	665	662	660	657	654	651	648	645	642	640	641	643
135	745	746	747	748	750	750	751	751	749	746	743	740	736	733	731	728	726	726	728
140	821	822	823	824	825	825	826	826	823	821	818	814	811	808	806	803	801	801	802
145	886	887	888	889	889	890	890	890	888	885	883	880	877	874	872	869	867	868	869
150	941	942	942	943	943	943	943	943	942	940	939	937	935	933	932	930	929	929	929
155	989	989	989	989	989	989	988	988	987	986	985	984	982	981	980	979	978	978	978
160	1028	1027	1027	1027	1027	1027	1026	1026	1024	1023	1022	1020	1019	1018	1016	1015	1014	1014	1014
165	1058	1057	1057	1057	1056	1056	1055	1055	1054	1052	1051	1050	1049	1048	1047	1046	1045	1045	1046
170	1077	1077	1077	1076	1076	1076	1076	1076	1075	1074	1073	1072	1071	1071	1070	1069	1069	1069	1069
175	1090	1090	1090	1090	1090	1089	1089	1089	1089	1088	1088	1087	1087	1086	1086	1086	1085	1085	1086
180	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4959.46x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-5.5	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FFT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	756	756	756	756	756	756	756	756	756	756	756	756	756	756	756				
5	753	753	753	753	753	753	753	753	753	753	753	753	752	752	752				
10	742	742	741	741	741	741	740	740	740	740	740	740	740	740	740				
15	723	722	721	721	720	719	719	718	718	718	718	719	719	719	720				
20	698	697	696	695	694	693	692	692	691	691	691	691	691	691	692				
25	665	664	663	662	661	660	659	658	658	657	657	657	657	658	658				
30	627	625	624	622	621	619	618	617	617	617	616	616	617	617	617				
35	584	582	580	579	577	575	573	573	572	572	571	571	571	572	572				
40	536	534	532	530	528	526	525	524	523	523	523	522	523	523	523				
45	486	484	482	480	478	476	474	473	472	471	471	471	471	471	471				
50	432	430	428	425	423	421	419	418	417	417	416	416	417	417	417				
55	376	374	372	369	367	365	363	362	361	361	361	361	361	361	362				
60	319	317	315	312	310	308	306	305	305	304	304	304	304	305	306				
65	261	259	257	255	253	251	249	248	247	247	247	247	248	248	249				
70	204	202	200	198	196	194	193	192	191	191	191	191	192	193	193				
75	147	146	144	142	141	139	138	137	137	137	137	137	137	138	139				
80	92.0	90.6	89.1	87.6	86.1	84.8	83.5	83.1	82.8	82.7	82.8	83.1	83.5	84.2	85.0				
85	40.6	39.0	37.4	35.8	34.2	32.6	31.3	30.8	30.5	30.4	30.4	30.7	31.2	31.8	32.7				
90	1.61	1.79	1.97	2.16	2.35	2.53	2.69	2.75	2.78	2.80	2.79	2.76	2.71	2.64	2.55				
95	13.7	12.3	10.8	9.18	7.57	5.99	4.49	3.82	3.28	2.88	2.61	2.49	2.50	2.65	2.93				
100	53.8	48.5	43.0	37.3	31.7	26.2	21.2	18.7	16.8	15.3	14.4	14.0	14.1	14.8	15.9				
105	115	102	88.7	75.4	62.3	49.8	38.2	32.3	27.6	24.2	22.1	21.1	21.4	22.9	25.7				
110	211	198	184	169	155	140	126	115	105	95.2	85.7	76.7	68.2	60.2	52.7				
115	336	330	324	316	307	296	285	271	255	238	220	200	178	156	132				
120	453	454	453	452	449	445	438	426	412	396	377	356	334	308	281				
125	559	561	563	563	563	562	560	553	544	534	522	509	494	477	459				
130	645	647	649	651	652	653	654	652	649	646	642	638	633	627	621				
135	729	731	733	735	737	739	740	741	742	742	742	742	742	741	741				
140	803	805	806	808	810	812	814	815	816	817	818	819	820	821	822				
145	870	871	872	874	876	878	879	880	881	882	883	884	884	885	885				
150	929	930	931	931	932	933	934	935	936	937	937	938	939	940	941				
155	978	978	978	978	979	980	980	981	982	983	984	985	986	987	989				
160	1015	1015	1016	1016	1017	1018	1019	1020	1020	1021	1022	1023	1025	1026	1027				
165	1046	1047	1047	1048	1049	1050	1051	1051	1052	1052	1053	1054	1054	1055	1055				
170	1070	1070	1071	1071	1072	1073	1074	1074	1074	1075	1075	1076	1076	1077	1077				
175	1086	1086	1086	1087	1087	1087	1088	1088	1089	1089	1089	1089	1090	1090	1090				
180	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092	1092				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.353  
 Humidity:65.0%  
 Test Distance:10.000m [K=1.0000]  
 Remarks: