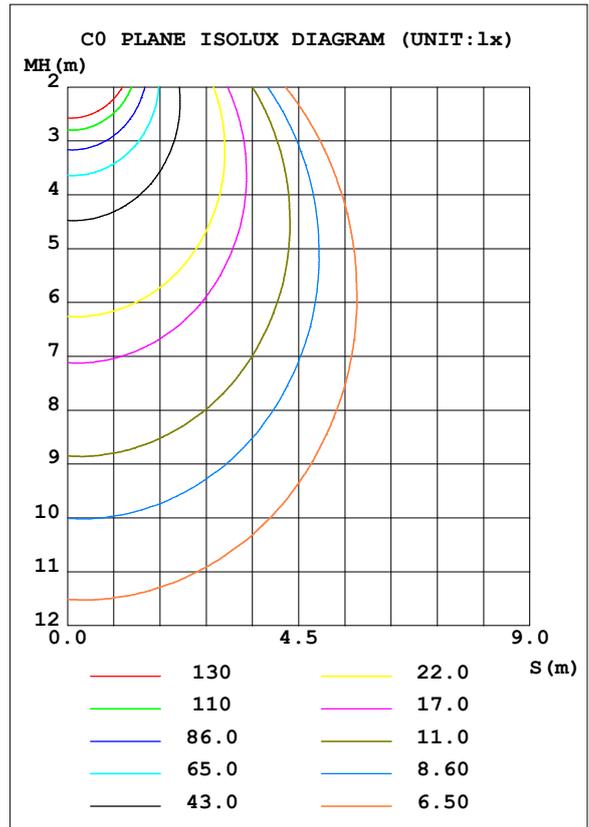
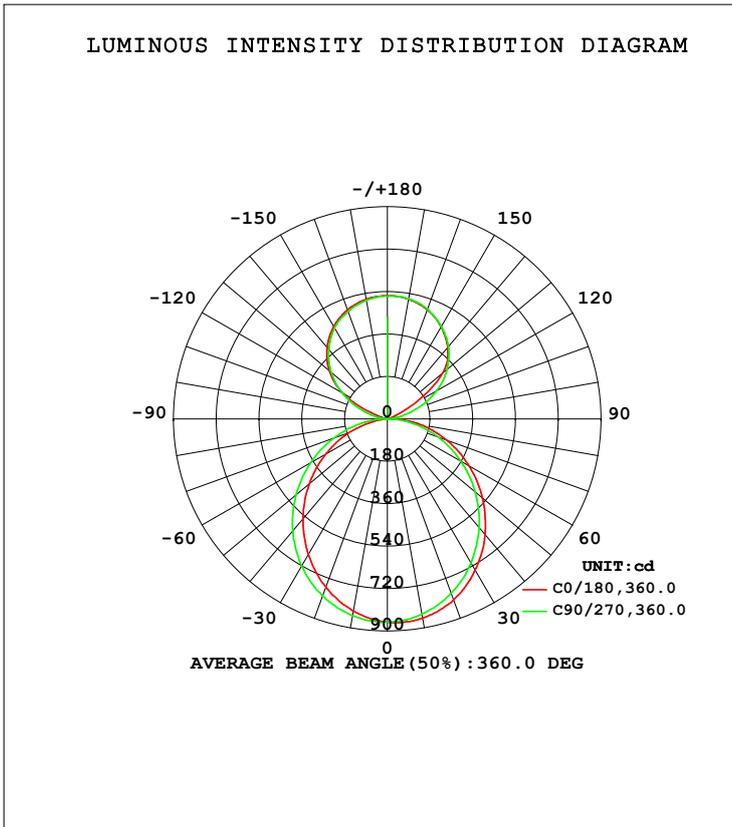


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-WH-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.48 lm/W			
MODEL		I <sub>max</sub> (cd)	865.5	S/MH (C0/180)	1.27
NOMINAL POWER (W)	30W	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	120.0	TOTAL FLUX (lm)	3789.5	η UP, DN (C0-180)	18.6, 31.6
NOMINAL FLUX (lm)	3789.53	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	18.4, 31.4
LAMPS INSIDE	1	η up (%)	37.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	η down (%)	63.0	CIBSE SHR MAX	1.35



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:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

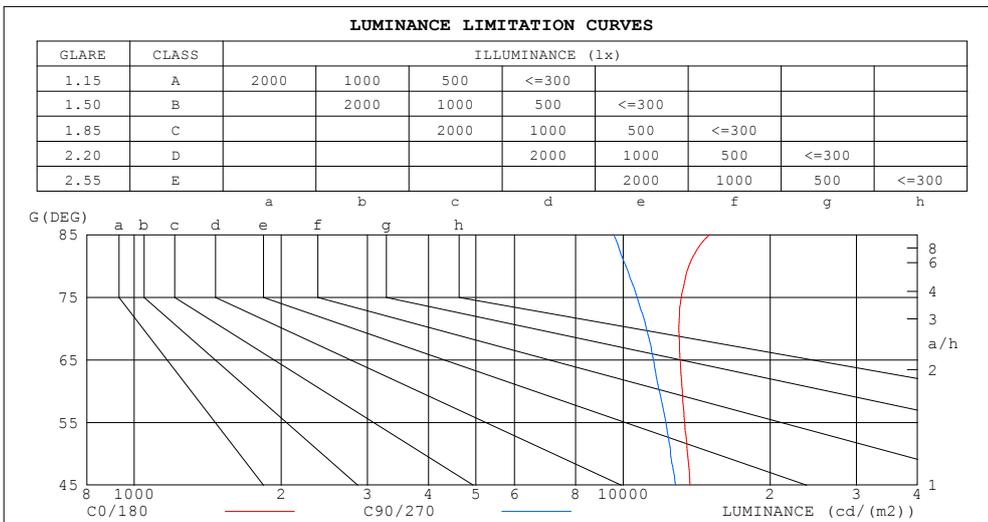
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	858.1	851.0	841.2	834.4	827.6	832.6	847.4	850.8	0- 10	81.33	81.33	2.15,2.15
20	816.3	805.3	786.8	774.5	758.9	772.6	798.6	806.0	10- 20	231.3	312.6	8.25,8.25
30	739.5	728.7	704.8	686.8	665.1	685.1	720.7	728.3	20- 30	346.2	658.8	17.4,17.4
40	640.8	628.4	601.3	580.1	552.2	576.9	619.6	628.4	30- 40	411.2	1070	28.2,28.2
50	522.5	513.3	482.5	462.5	430.0	456.4	502.0	510.4	40- 50	420.7	1491	39.3,39.3
60	396.6	386.4	355.8	339.8	300.7	327.9	373.0	382.9	50- 60	377.3	1868	49.3,49.3
70	266.9	258.6	229.2	208.9	173.1	200.9	241.5	252.0	60- 70	290.1	2158	56.9,56.9
80	142.0	133.2	105.5	83.84	45.88	77.30	113.5	127.1	70- 80	174.5	2333	61.6,61.6
90	21.31	15.93	4.597	8.237	3.710	9.835	4.542	9.639	80- 90	54.49	2387	63,63
100	11.97	14.39	40.88	25.20	7.861	28.78	35.10	13.90	90-100	11.64	2399	63.3,63.3
110	26.11	49.38	136.1	126.8	54.73	131.9	120.2	56.81	100-110	51.45	2450	64.7,64.7
120	129.9	197.6	238.9	234.2	214.3	242.9	218.0	205.8	110-120	146.5	2597	68.5,68.5
130	304.8	317.1	328.5	325.5	319.8	328.0	309.2	316.1	120-130	240.0	2837	74.9,74.9
140	396.3	391.0	400.8	398.6	394.6	400.4	384.2	390.0	130-140	276.9	3114	82.2,82.2
150	452.4	450.2	454.0	455.6	452.2	453.8	445.3	445.4	140-150	265.5	3379	89.2,89.2
160	492.7	492.7	495.6	496.0	492.3	492.6	485.3	486.8	150-160	218.2	3597	94.9,94.9
170	516.1	515.4	517.4	516.9	515.4	515.2	511.0	512.1	160-170	142.7	3740	98.7,98.7
180	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	170-180	49.53	3790	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:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	15054	9559
80	13632	10128
75	13160	10675
70	13007	11168
65	13090	11536
60	13219	11860
55	13364	12235
50	13549	12512
45	13711	12808

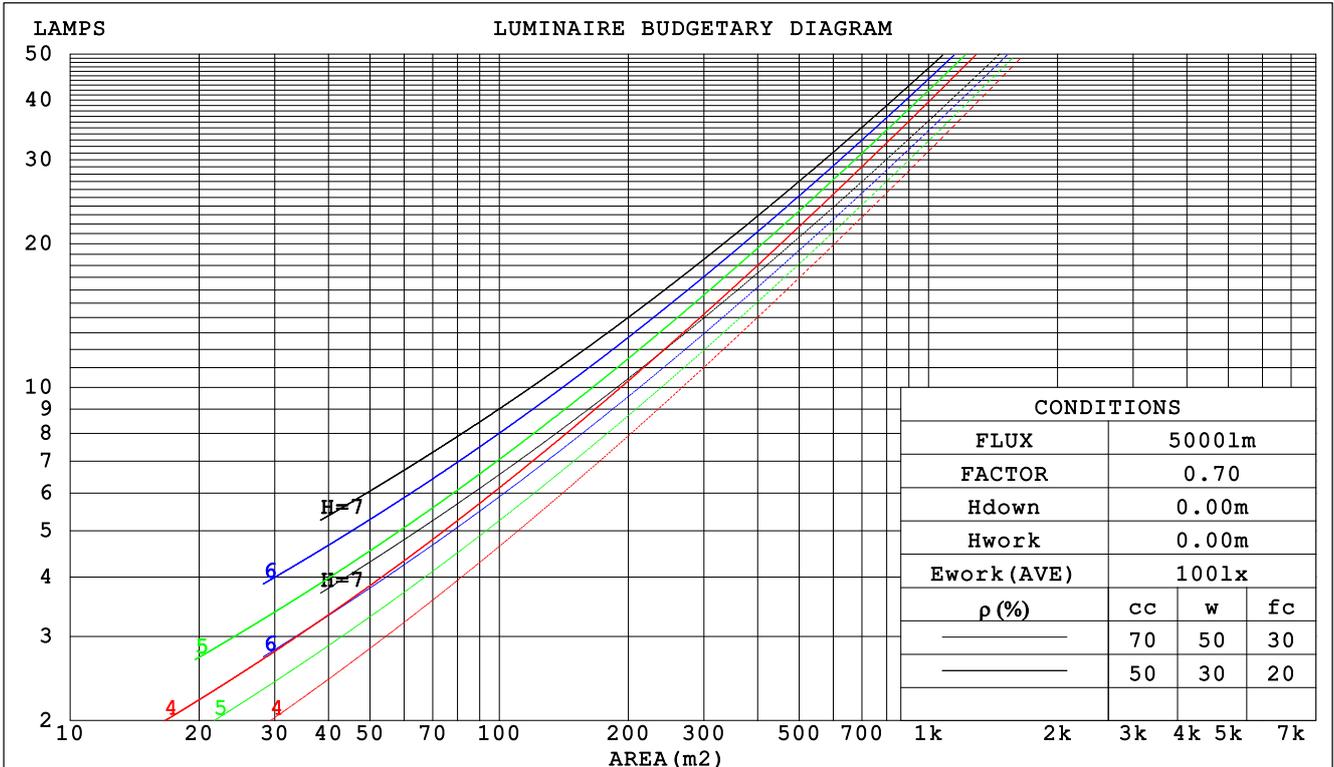
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

$\gamma$  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:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	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	1.10	1.10	1.10	1.03	1.03	1.03	.91	.91	.91	.79	.79	.79	.68	.68	.68	.63
1.0	.96	.92	.88	.90	.86	.83	.79	.76	.74	.69	.67	.65	.60	.58	.57	.52
2.0	.83	.77	.72	.78	.73	.68	.69	.65	.61	.60	.57	.54	.52	.50	.48	.44
3.0	.73	.66	.59	.69	.62	.57	.61	.55	.51	.53	.49	.46	.46	.43	.40	.37
4.0	.65	.57	.50	.61	.54	.48	.54	.48	.43	.47	.43	.39	.41	.38	.35	.31
5.0	.58	.49	.43	.54	.47	.41	.48	.42	.37	.42	.38	.34	.37	.33	.30	.27
6.0	.52	.43	.37	.49	.41	.36	.43	.37	.33	.38	.33	.29	.34	.30	.26	.24
7.0	.47	.39	.33	.44	.37	.31	.39	.33	.29	.35	.30	.26	.31	.27	.23	.21
8.0	.43	.35	.29	.40	.33	.28	.36	.30	.26	.32	.27	.23	.28	.24	.21	.19
9.0	.39	.31	.26	.37	.30	.25	.33	.27	.23	.29	.24	.21	.26	.22	.19	.17
10.0	.36	.28	.23	.34	.27	.22	.30	.25	.21	.27	.22	.19	.24	.20	.17	.15



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:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	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	.293	.167	.053	.275	.157	.050	.241	.138	.044	.209	.121	.039	.181	.105	.034	
2.0	.273	.149	.046	.256	.141	.043	.225	.125	.039	.197	.110	.035	.170	.096	.030	
3.0	.252	.134	.040	.237	.127	.038	.208	.113	.034	.182	.100	.031	.158	.087	.027	
4.0	.232	.121	.035	.218	.114	.034	.193	.102	.031	.169	.091	.027	.146	.079	.024	
5.0	.215	.109	.032	.202	.104	.030	.179	.093	.027	.156	.083	.025	.136	.073	.022	
6.0	.199	.100	.029	.188	.095	.027	.166	.085	.025	.146	.076	.022	.127	.067	.020	
7.0	.186	.092	.026	.175	.087	.025	.155	.078	.023	.136	.070	.020	.118	.061	.018	
8.0	.174	.085	.024	.164	.081	.023	.145	.073	.021	.128	.065	.019	.111	.057	.017	
9.0	.163	.079	.022	.154	.075	.021	.136	.067	.019	.120	.060	.017	.105	.053	.015	
10.0	.153	.073	.020	.145	.070	.020	.129	.063	.018	.113	.056	.016	.099	.050	.014	

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	.472	.472	.472	.404	.404	.404	.276	.276	.276	.158	.158	.158	.051	.051	.051	
1.0	.463	.441	.420	.397	.378	.361	.271	.260	.250	.156	.151	.145	.050	.048	.047	
2.0	.456	.418	.387	.390	.360	.334	.268	.249	.233	.154	.145	.137	.050	.047	.045	
3.0	.449	.402	.365	.385	.347	.316	.264	.241	.222	.153	.141	.131	.049	.046	.043	
4.0	.442	.390	.350	.379	.337	.304	.261	.235	.214	.151	.137	.127	.049	.045	.042	
5.0	.435	.380	.340	.373	.329	.295	.257	.230	.209	.149	.135	.124	.048	.044	.041	
6.0	.428	.372	.332	.368	.322	.289	.254	.226	.205	.147	.133	.122	.048	.043	.040	
7.0	.422	.366	.327	.363	.317	.285	.251	.222	.202	.146	.131	.120	.047	.043	.040	
8.0	.416	.361	.322	.358	.313	.281	.248	.220	.199	.144	.130	.119	.047	.042	.039	
9.0	.411	.356	.319	.354	.309	.278	.245	.217	.198	.143	.128	.118	.046	.042	.039	
10.0	.405	.352	.317	.349	.306	.276	.242	.215	.196	.141	.127	.117	.046	.042	.039	

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:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm										
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7					TYPE:3000K			WEIGHT:		
SPEC.:					DIM.: 4FT			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	19.9	20.9	20.6	21.7	22.5	19.5	20.5	20.2	21.2	22.1
3H	21.5	22.5	22.3	23.2	24.1	20.9	21.9	21.7	22.7	23.6
4H	22.2	23.1	23.0	23.9	24.9	21.6	22.5	22.3	23.2	24.2
6H	22.9	23.7	23.7	24.5	25.5	22.0	22.9	22.8	23.6	24.6
8H	23.1	23.9	23.9	24.7	25.7	22.2	23.0	23.0	23.8	24.8
12H	23.3	24.1	24.1	24.9	25.9	22.3	23.0	23.1	23.8	24.8
4H 2H	20.4	21.3	21.1	22.0	23.0	20.0	20.9	20.8	21.7	22.7
3H	22.2	22.9	23.0	23.8	24.7	21.7	22.5	22.5	23.3	24.3
4H	23.1	23.7	23.9	24.6	25.6	22.5	23.2	23.3	24.0	25.0
6H	23.8	24.4	24.7	25.3	26.3	23.1	23.7	23.9	24.5	25.6
8H	24.2	24.7	25.0	25.6	26.7	23.3	23.8	24.1	24.7	25.8
12H	24.4	25.0	25.3	25.8	26.9	23.4	23.9	24.3	24.8	25.9
8H 4H	23.3	23.8	24.1	24.7	25.8	22.8	23.3	23.6	24.2	25.3
6H	24.2	24.7	25.1	25.6	26.7	23.6	24.0	24.4	24.9	26.0
8H	24.7	25.1	25.6	26.0	27.1	23.9	24.3	24.8	25.2	26.3
12H	25.1	25.4	26.0	26.4	27.5	24.1	24.5	25.0	25.4	26.5
12H 4H	23.3	23.8	24.1	24.7	25.7	22.8	23.3	23.7	24.2	25.3
6H	24.3	24.7	25.2	25.6	26.7	23.6	24.0	24.5	24.9	26.1
8H	24.8	25.1	25.7	26.1	27.2	24.0	24.4	24.9	25.3	26.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.4				

CIE Pub.117 Corrected 3790 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.6)

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:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

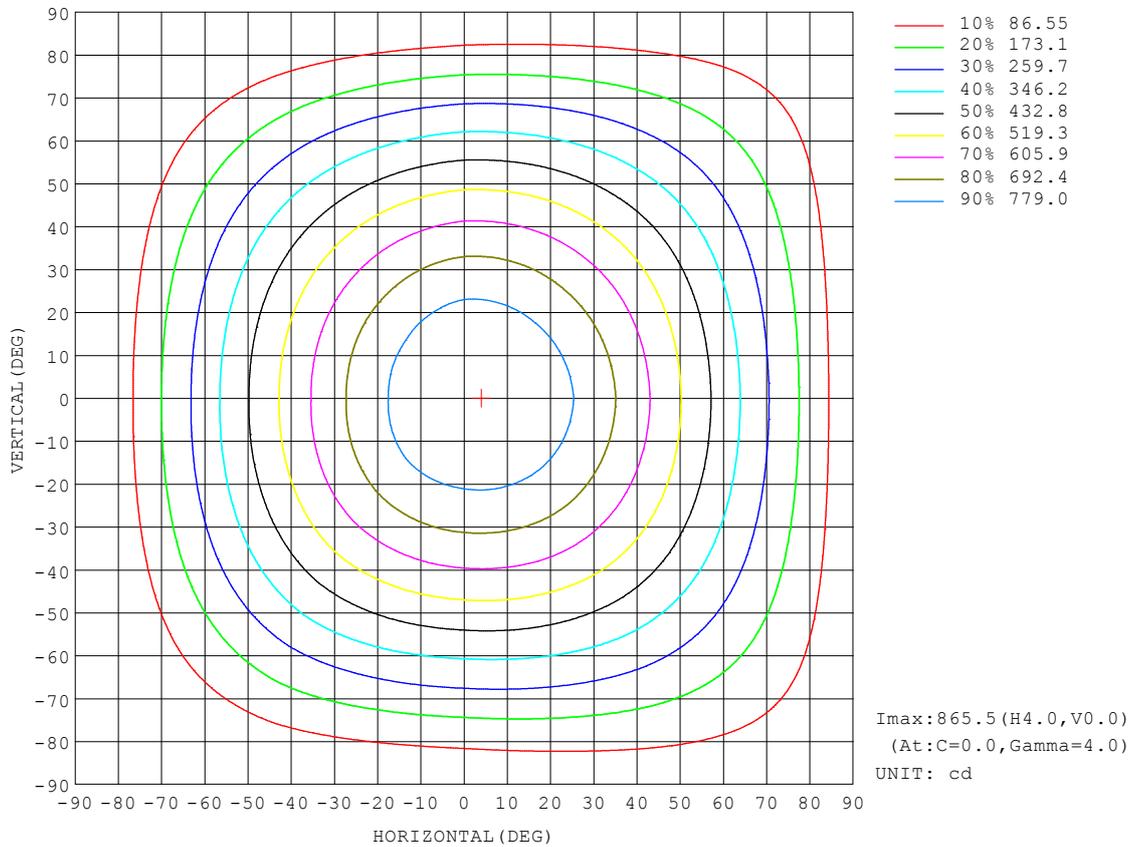
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	37	30	46	35	29	42	33	28	20
0.80	57	46	39	54	44	38	49	41	35	26
1.00	65	54	47	62	52	45	56	49	42	31
1.25	72	61	54	68	59	52	61	54	48	36
1.50	77	67	60	73	64	57	65	58	53	39
2.00	84	75	68	79	71	65	71	64	60	44
2.50	88	80	74	83	76	70	74	68	64	46
3.00	92	85	79	86	80	75	76	72	68	49
4.00	96	90	85	90	85	81	80	76	72	52
5.00	99	94	89	93	88	84	82	78	75	54
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:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

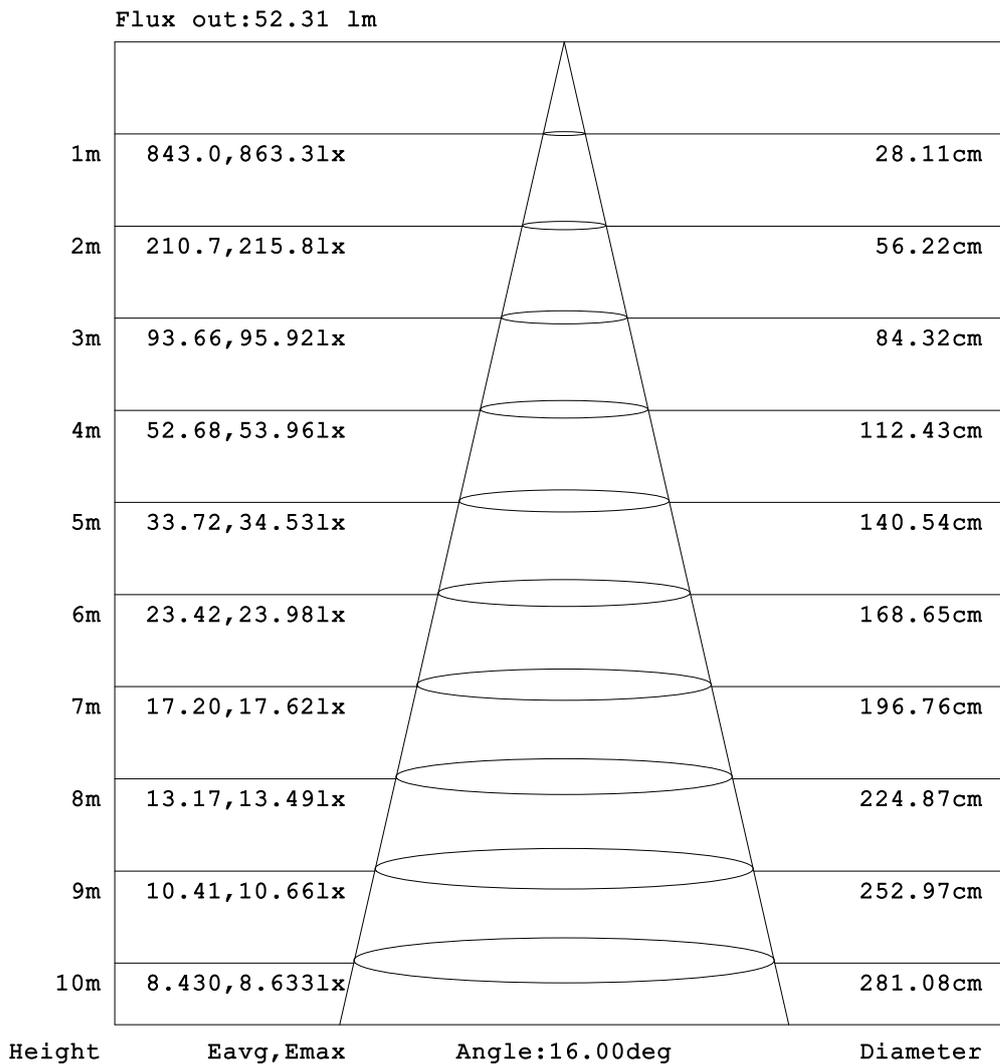


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:

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 Figure**

Test:U:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:



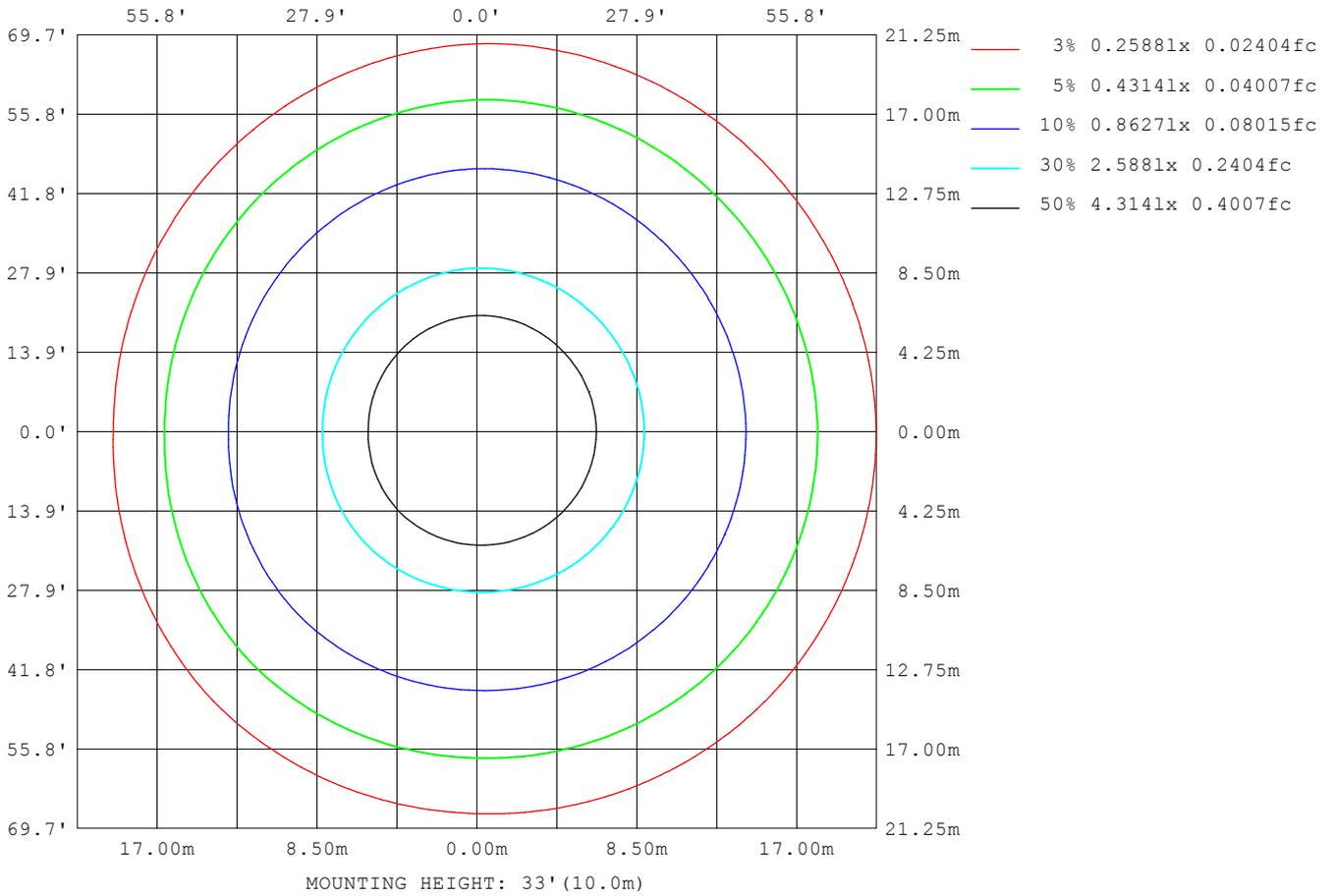
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:

**ISOLUX DIAGRAM**

Test:U:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	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:

**LED Avg.L Report**

Test:U:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

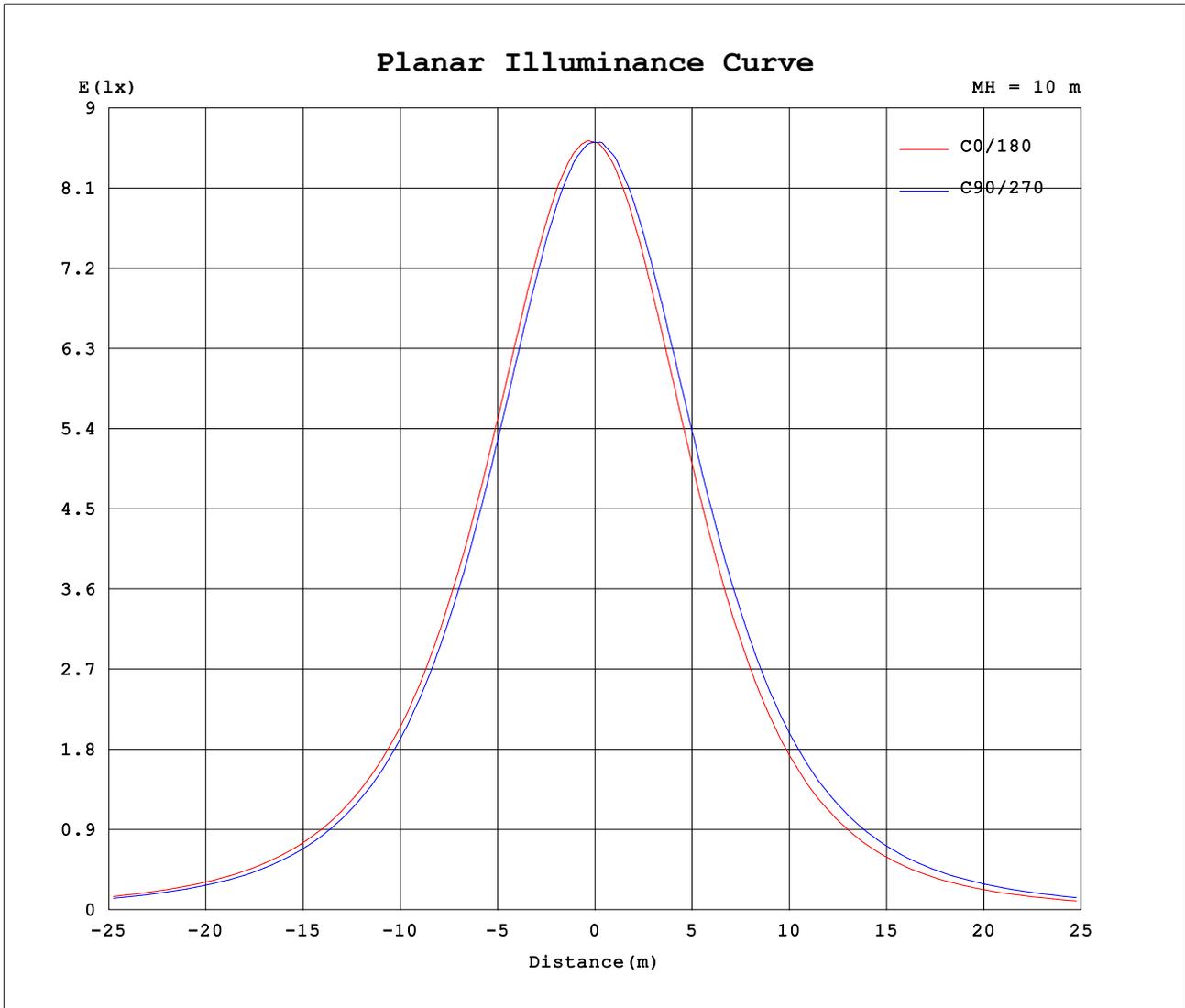
AvgL	cd/m2
L_0~180 (65) av	11206
L_0~180 (75) av	10004
L_0~180 (85) av	7983
L_90~270 (65) av	11829
L_90~270 (75) av	11049
L_90~270 (85) av	10057
L_45 (65) av	11613
L_45 (75) av	10789
L_45 (85) av	8867

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:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	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	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862
5	864	864	863	863	863	862	862	861	861	860	860	859	859	858	858	858	857	857	856
10	858	857	857	856	855	854	854	853	852	851	850	849	848	847	845	844	843	842	841
15	842	841	840	839	838	836	835	834	833	831	830	828	827	825	824	822	821	819	818
20	816	815	814	813	812	811	810	808	807	805	803	801	799	797	795	793	791	789	787
25	782	781	780	779	778	776	775	773	772	770	768	766	763	761	759	756	754	752	749
30	739	739	738	737	736	735	734	732	731	729	726	724	721	719	716	713	710	708	705
35	693	693	692	691	689	688	686	685	683	681	678	675	673	670	667	664	661	658	655
40	641	640	639	638	637	636	634	632	631	628	626	623	620	617	614	611	608	604	601
45	582	582	582	581	581	580	578	577	575	573	570	567	564	561	557	554	550	547	543
50	523	523	522	522	521	520	519	517	515	513	510	507	504	500	497	493	490	486	483
55	460	460	459	459	458	457	456	454	452	450	448	445	441	438	435	431	428	424	421
60	397	396	396	395	395	393	392	390	389	386	383	380	377	373	370	366	363	359	356
65	332	332	331	331	330	329	328	326	324	322	319	316	313	310	306	303	299	296	293
70	267	267	267	266	266	265	264	262	261	259	256	253	250	246	243	239	236	233	229
75	204	205	204	204	203	202	201	200	198	196	193	190	187	183	180	176	173	169	166
80	142	142	142	141	140	139	138	137	135	133	131	128	125	122	119	115	112	109	106
85	78.7	79.0	79.1	79.0	78.6	78.0	77.2	76.2	74.9	73.4	71.4	69.2	66.8	64.2	61.5	58.7	55.9	52.9	50.0
90	21.3	21.0	20.6	20.2	19.7	19.1	18.4	17.6	16.8	15.9	14.6	13.2	11.8	10.4	9.03	7.74	6.56	5.50	4.60
95	5.18	5.05	4.98	4.98	5.05	5.19	5.40	5.67	6.02	6.43	7.21	8.04	8.89	9.74	10.6	11.3	12.1	12.7	13.2
100	12.0	11.0	10.4	10.1	10.1	10.3	10.9	11.8	12.9	14.4	17.4	20.5	23.8	27.1	30.4	33.5	36.3	38.8	40.9
105	17.9	15.0	12.9	11.6	11.0	11.2	12.2	14.0	16.6	19.9	26.7	34.1	41.9	49.8	57.7	65.3	72.5	79.0	84.6
110	26.1	25.6	25.8	26.8	28.6	31.2	34.6	38.7	43.7	49.4	58.8	68.8	79.1	89.5	99.9	110	119	128	136
115	56.5	62.6	68.9	75.3	81.9	88.6	95.5	103	110	117	126	136	145	154	162	170	178	185	191
120	130	139	147	155	163	171	178	185	191	198	204	210	215	220	225	229	233	236	239
125	221	228	234	239	245	250	255	259	263	267	271	274	277	279	281	283	285	286	287
130	305	306	308	309	310	312	313	314	316	317	319	320	322	323	324	326	327	328	328
135	359	358	358	357	357	356	356	356	356	357	357	358	360	361	362	363	364	365	366
140	396	395	394	393	392	391	391	391	391	391	392	393	394	395	396	397	399	400	401
145	425	424	424	423	422	422	421	421	421	421	422	423	424	425	425	426	427	428	429
150	452	452	451	451	451	450	450	450	450	450	450	451	451	452	452	453	453	454	454
155	475	474	474	474	474	474	474	474	474	474	475	475	475	475	475	475	475	475	475
160	493	493	492	492	492	492	492	492	492	493	493	493	493	494	494	494	495	495	496
165	507	506	506	506	506	505	505	505	505	505	506	506	506	507	507	508	508	509	509
170	516	516	516	516	515	515	515	515	515	515	516	516	516	516	516	517	517	517	517
175	521	521	521	521	521	521	521	521	521	521	521	521	521	521	522	522	522	522	522
180	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520

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:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	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	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862
5	856	855	855	854	854	854	853	853	852	852	852	851	851	851	850	850	850	850	850
10	840	840	839	838	837	837	836	835	834	833	832	832	831	830	829	828	828	828	828
15	816	815	814	813	812	811	810	809	808	807	805	803	802	801	799	798	797	797	797
20	785	784	782	781	780	778	777	776	774	772	770	768	766	764	763	761	760	759	759
25	747	746	744	742	740	739	737	735	733	731	728	726	723	721	719	717	716	715	715
30	703	701	699	697	695	693	691	689	687	684	681	678	675	672	670	668	666	665	666
35	653	650	648	646	644	642	640	637	635	632	628	625	622	619	616	614	612	611	611
40	599	596	594	592	590	587	585	583	580	576	572	569	565	562	559	556	554	552	553
45	541	539	537	534	532	530	528	525	523	519	515	511	507	503	499	496	494	492	493
50	480	478	476	474	472	469	467	465	462	458	454	450	445	441	438	435	432	430	431
55	419	417	415	413	411	409	407	404	402	397	392	388	383	379	374	371	368	365	366
60	354	352	351	349	348	346	344	342	340	335	330	325	320	315	311	307	303	301	301
65	290	289	287	285	283	281	279	277	274	270	265	260	255	250	246	242	239	236	237
70	227	225	223	220	218	216	214	211	209	204	200	195	190	186	182	178	175	173	174
75	164	161	159	157	155	153	151	148	146	141	136	130	125	120	116	112	109	106	108
80	103	101	98.7	96.4	94.1	91.7	89.2	86.6	83.8	78.9	73.9	68.8	64.0	59.4	55.1	51.4	48.3	45.9	47.1
85	47.3	44.5	41.8	39.1	36.4	33.8	31.1	28.5	25.9	22.8	19.8	16.9	14.2	11.7	9.43	7.50	5.93	4.77	5.03
90	4.69	4.93	5.29	5.74	6.25	6.79	7.32	7.81	8.24	7.80	7.28	6.71	6.12	5.53	4.97	4.46	4.03	3.71	4.27
95	13.0	12.7	12.3	11.8	11.3	10.7	9.99	9.30	8.59	7.91	7.24	6.61	6.02	5.48	5.02	4.64	4.37	4.21	4.64
100	40.5	39.6	38.3	36.7	34.8	32.6	30.3	27.8	25.2	22.6	20.1	17.6	15.3	13.2	11.4	9.82	8.63	7.86	9.27
105	85.1	84.5	83.1	80.9	78.1	74.7	70.8	66.5	62.0	57.1	52.1	47.2	42.6	38.2	34.3	31.0	28.4	26.6	29.6
110	139	141	142	142	141	138	135	131	127	118	109	99.3	90.0	81.0	72.7	65.3	59.3	54.7	60.3
115	193	195	195	195	194	193	190	187	184	178	171	165	158	152	146	141	137	134	139
120	240	241	241	241	240	239	238	236	234	232	229	226	223	221	219	217	215	214	217
125	288	288	287	287	286	286	285	284	282	281	279	278	276	275	274	273	272	272	273
130	329	329	328	328	328	327	327	326	326	325	324	323	322	322	321	320	320	320	321
135	366	366	366	366	366	366	365	365	364	364	363	362	362	361	361	360	360	360	361
140	401	401	401	401	400	400	400	399	399	398	397	397	396	396	395	395	395	395	395
145	429	429	430	430	429	429	429	429	429	428	428	427	427	427	426	426	426	426	426
150	454	455	455	455	455	455	456	456	456	455	455	455	454	454	453	453	453	452	452
155	476	476	477	477	478	478	478	479	479	478	478	478	477	476	476	475	475	474	474
160	496	496	496	496	496	496	496	496	496	496	495	495	494	494	493	493	493	492	492
165	509	509	509	509	509	509	509	508	508	508	508	507	507	507	506	506	506	506	506
170	517	517	517	517	517	517	517	517	517	517	517	516	516	516	516	516	516	515	515
175	522	522	522	522	522	522	522	522	522	522	522	522	522	522	522	522	522	522	522
180	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520

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:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	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	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862
5	850	850	850	850	850	851	851	851	852	853	854	855	856	856	857	858	859	859	860
10	828	828	828	829	830	831	831	833	834	836	837	839	841	843	844	846	847	848	849
15	797	798	799	800	801	803	805	806	808	811	813	816	818	820	823	825	827	828	829
20	760	761	762	764	766	768	770	773	775	778	781	784	787	790	793	796	799	800	801
25	716	718	719	721	724	726	729	732	735	739	743	747	750	754	757	761	764	765	766
30	667	668	670	673	675	678	682	685	689	693	697	702	706	710	714	717	721	722	724
35	612	614	616	619	622	625	629	633	637	642	647	651	656	661	665	669	673	675	676
40	554	556	559	562	565	569	573	577	582	587	592	597	602	607	611	616	620	622	623
45	494	496	499	502	505	509	513	518	523	528	533	539	544	549	554	558	563	565	566
50	432	434	437	440	444	447	452	456	462	467	472	478	483	488	493	498	502	504	506
55	367	369	372	375	379	383	388	392	398	403	409	414	419	425	430	434	439	441	443
60	303	305	307	311	314	319	323	328	333	338	344	349	354	359	364	369	373	375	377
65	239	241	243	247	250	254	259	264	269	274	279	284	289	294	299	303	307	310	311
70	176	178	181	184	188	192	196	201	206	210	215	220	225	229	234	238	242	244	245
75	110	113	116	120	125	129	134	140	144	149	153	158	162	166	170	174	177	179	181
80	49.1	51.8	55.1	58.9	63.1	67.6	72.4	77.3	81.6	85.9	90.2	94.4	98.6	103	106	110	114	116	118
85	5.72	6.82	8.30	10.1	12.3	14.8	17.6	20.6	24.3	28.1	32.1	36.2	40.2	44.2	48.1	51.8	55.2	57.1	58.7
90	4.93	5.66	6.44	7.22	7.98	8.69	9.32	9.83	9.41	8.87	8.26	7.59	6.90	6.23	5.59	5.01	4.54	4.67	4.92
95	5.18	5.81	6.51	7.24	8.00	8.76	9.49	10.2	10.6	10.9	11.1	11.3	11.4	11.4	11.4	11.3	11.2	10.8	10.3
100	11.1	13.2	15.6	18.2	20.8	23.6	26.2	28.8	30.4	31.9	33.1	34.2	34.9	35.4	35.6	35.5	35.1	33.2	31.1
105	33.3	37.7	42.6	47.8	53.1	58.5	63.7	68.6	71.3	73.5	75.2	76.4	77.0	77.0	76.3	75.1	73.1	68.1	62.6
110	67.4	75.7	84.9	94.5	104	114	123	132	134	136	136	135	134	132	129	125	120	114	108
115	144	150	157	164	171	178	185	190	191	191	189	187	185	182	178	174	170	166	162
120	220	224	227	231	234	238	240	243	242	240	237	234	231	228	225	221	218	217	217
125	275	277	279	281	283	285	287	288	286	284	281	279	276	273	271	268	266	266	267
130	322	323	324	325	326	327	328	328	326	324	322	320	318	315	313	311	309	309	310
135	362	363	364	365	366	367	367	367	366	364	361	359	357	355	353	351	349	349	349
140	396	397	398	399	399	400	400	400	399	397	395	393	391	389	387	386	384	384	384
145	427	427	428	429	429	430	430	430	429	427	426	424	423	421	420	418	417	417	416
150	453	453	453	453	454	454	454	454	453	452	451	450	449	448	447	446	445	445	445
155	474	474	475	475	475	475	475	475	474	473	473	472	471	470	469	469	468	468	468
160	492	492	493	493	493	493	493	493	492	491	490	489	488	488	487	486	485	485	485
165	506	506	506	506	506	506	506	506	505	504	504	503	502	502	501	501	500	500	500
170	515	515	515	515	515	515	515	515	515	514	514	513	513	512	512	511	511	511	511
175	522	522	522	521	521	521	521	521	521	521	520	520	520	519	519	519	519	519	519
180	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520

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:120.2V I:0.2530A P:30.20W PF:0.9900 Freq:0.9900Hz Lamp Flux:3789.53x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-30W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	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	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862				
5	860	860	860	861	861	861	861	861	862	862	862	863	863	864	864				
10	849	849	850	850	850	850	851	851	852	853	854	854	855	856	857				
15	829	830	831	831	832	832	832	833	834	835	836	837	838	839	841				
20	802	803	804	804	805	805	806	807	808	809	810	811	813	814	815				
25	767	768	769	769	770	770	771	772	773	774	775	776	778	779	780				
30	725	726	726	727	727	728	728	729	730	732	733	734	735	737	738				
35	677	678	679	680	680	680	681	682	683	685	686	687	689	690	692				
40	624	625	626	627	627	628	628	630	631	632	633	635	636	638	639				
45	568	569	569	570	570	571	571	572	573	574	576	577	578	579	580				
50	507	508	509	509	510	510	510	512	513	514	515	517	518	519	521				
55	444	445	446	446	447	447	448	449	450	451	453	454	455	457	458				
60	378	379	380	381	382	382	383	384	386	387	388	390	392	393	395				
65	313	314	315	316	316	317	318	319	321	322	324	325	327	328	330				
70	247	248	249	250	251	251	252	253	255	256	258	260	261	263	265				
75	183	184	185	186	187	188	189	190	192	193	195	197	199	201	202				
80	119	121	122	124	125	126	127	129	130	132	134	135	137	139	140				
85	60.0	61.2	62.2	63.2	64.0	64.8	65.6	66.9	68.2	69.6	71.0	72.5	74.0	75.5	77.1				
90	5.29	5.76	6.35	7.03	7.81	8.68	9.64	10.6	11.6	12.8	14.0	15.3	16.7	18.1	19.7				
95	9.78	9.23	8.67	8.10	7.53	6.99	6.47	6.15	5.89	5.66	5.47	5.33	5.23	5.17	5.16				
100	28.8	26.3	23.7	21.1	18.6	16.2	13.9	12.7	11.8	11.1	10.7	10.4	10.5	10.7	11.2				
105	56.6	50.4	44.1	37.8	31.6	25.8	20.5	17.7	15.6	14.0	13.1	12.8	13.2	14.1	15.7				
110	101	93.4	85.9	78.5	71.0	63.8	56.8	51.8	47.2	43.0	39.1	35.7	32.7	30.1	27.9				
115	158	154	149	144	138	133	127	120	114	106	98.9	91.1	83.0	74.5	65.7				
120	216	216	215	213	211	209	206	201	194	188	180	172	162	152	142				
125	267	268	269	269	269	269	268	265	262	258	253	248	242	236	229				
130	311	312	313	314	315	315	316	316	315	314	313	312	311	309	307				
135	350	351	352	353	354	355	356	357	357	358	358	358	359	359	359				
140	385	385	386	387	388	389	390	391	391	392	393	393	394	395	396				
145	417	417	417	418	418	419	420	420	421	421	422	422	423	424	425				
150	444	444	444	445	445	445	445	446	446	447	448	448	449	450	451				
155	467	467	467	467	468	468	468	469	469	470	470	471	472	473	474				
160	485	485	485	486	486	486	487	487	488	488	489	490	490	491	492				
165	500	500	500	500	500	501	501	501	502	502	503	504	504	505	506				
170	511	511	511	511	512	512	512	512	513	513	514	514	514	515	515				
175	519	519	519	519	519	519	519	520	520	520	520	520	521	521	521				
180	520	520	520	520	520	520	520	520	520	520	520	520	520	520	520				

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: