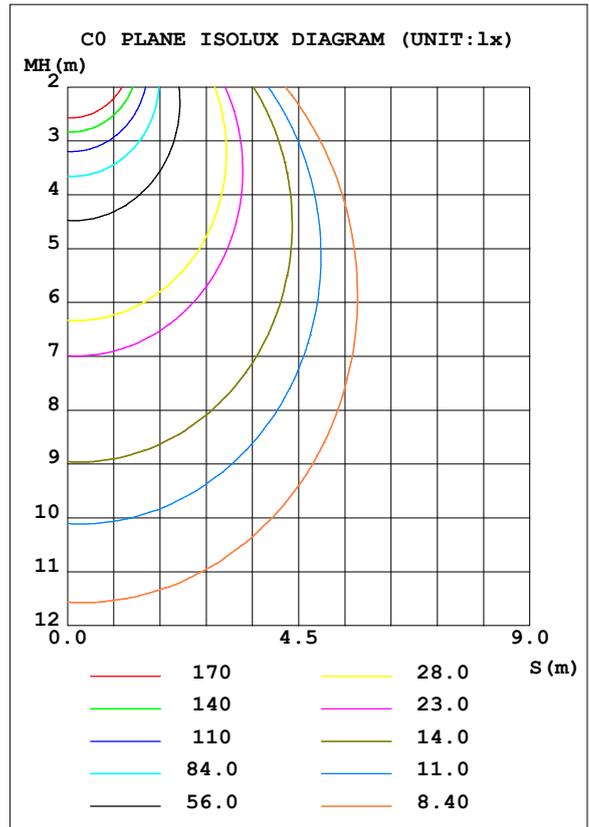
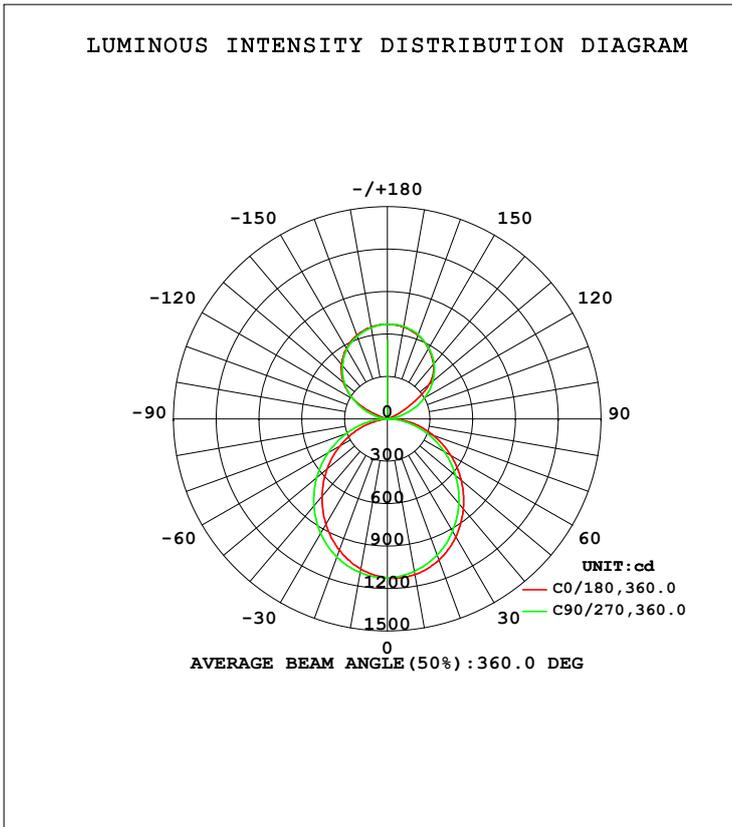


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-WH-40W-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: 120.01 lm/W			
MODEL		I _{max} (cd)	1128	S/MH (C0/180)	1.27
NOMINAL POWER (W)	40W	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	120.0	TOTAL FLUX (lm)	4848.4	η UP, DN (C0-180)	18.3, 31.8
NOMINAL FLUX (lm)	4848.38	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	18.2, 31.7
LAMPS INSIDE	1	η up (%)	36.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	η down (%)	63.5	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:

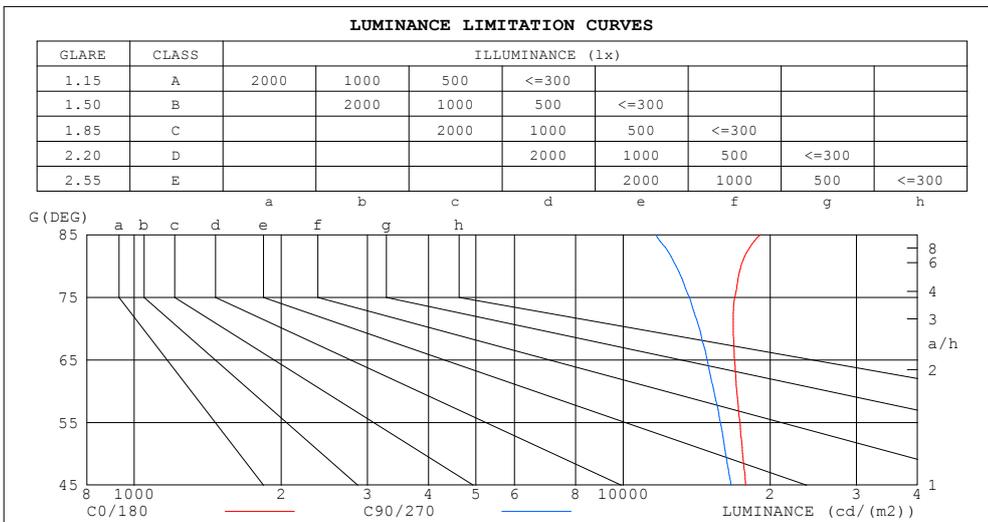
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1118	1110	1095	1086	1077	1086	1103	1109	0- 10	106.0	106.0	2.19,2.19
20	1061	1049	1024	1006	986.1	1007	1040	1050	10- 20	301.2	407.2	8.4,8.4
30	962.7	949.9	916.3	889.0	862.0	889.2	936.0	947.5	20- 30	450.3	857.4	17.7,17.7
40	830.4	817.8	781.1	748.1	713.5	746.5	802.9	814.9	30- 40	533.6	1391	28.7,28.7
50	677.5	664.6	624.8	589.4	552.9	587.9	648.8	660.9	40- 50	544.2	1935	39.9,39.9
60	512.4	501.0	459.9	424.4	384.9	419.5	480.8	494.0	50- 60	485.7	2421	49.9,49.9
70	344.8	333.3	294.2	259.9	220.2	252.2	309.6	323.3	60- 70	371.6	2793	57.6,57.6
80	181.7	173.1	133.8	100.1	55.77	90.40	144.1	160.8	70- 80	221.7	3014	62.2,62.2
90	23.97	16.68	2.023	2.723	1.328	2.811	2.103	8.336	80- 90	65.30	3079	63.5,63.5
100	11.37	13.39	47.71	22.79	5.516	25.14	41.02	13.74	90-100	9.020	3088	63.7,63.7
110	28.88	62.53	172.4	153.0	63.95	155.8	150.4	72.26	100-110	59.42	3148	64.9,64.9
120	161.3	254.9	301.7	292.7	268.1	292.3	275.9	264.3	110-120	183.0	3331	68.7,68.7
130	385.5	403.6	417.1	410.9	402.4	408.5	393.3	400.6	120-130	302.7	3634	74.9,74.9
140	504.1	498.6	510.7	506.0	499.9	506.6	490.1	498.1	130-140	351.2	3985	82.2,82.2
150	577.2	575.5	580.2	581.1	576.0	578.9	569.8	570.1	140-150	338.5	4323	89.2,89.2
160	629.7	630.1	634.7	634.5	628.7	628.6	621.0	623.8	150-160	278.9	4602	94.9,94.9
170	660.3	661.0	663.6	661.9	659.8	659.5	656.6	656.5	160-170	182.7	4785	98.7,98.7
180	668.1	668.1	668.1	668.1	668.1	668.1	668.1	668.1	170-180	63.47	4848	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:

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:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-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	19099	11654
80	17435	12837
75	16928	13663
70	16802	14335
65	16897	14861
60	17079	15331
55	17348	15811
50	17566	16200
45	17799	16635

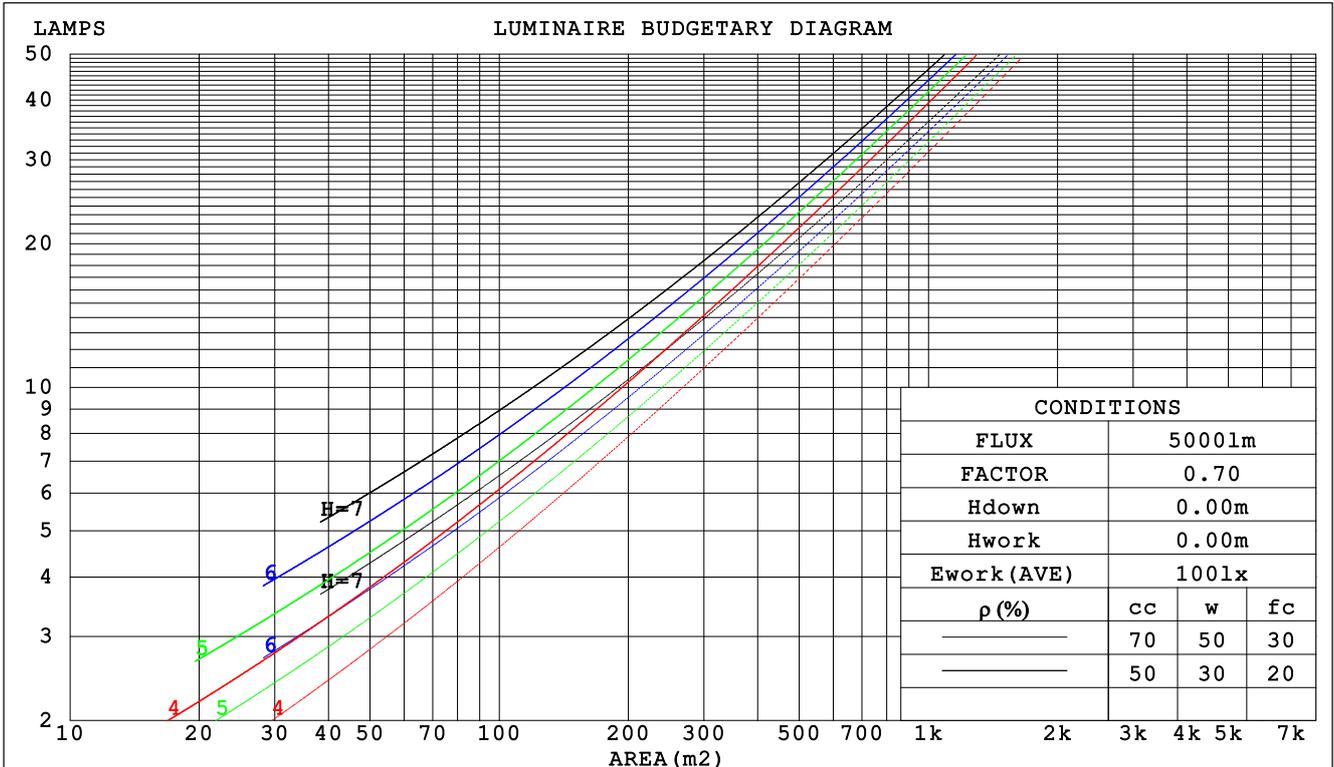
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-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	1.04	1.04	1.04	.91	.91	.91	.79	.79	.79	.69	.69	.69	.64
1.0	.96	.92	.88	.90	.87	.83	.79	.77	.74	.69	.67	.66	.60	.59	.57	.53
2.0	.84	.77	.72	.79	.73	.68	.69	.65	.61	.61	.57	.55	.53	.50	.48	.44
3.0	.73	.66	.60	.69	.62	.57	.61	.56	.51	.54	.49	.46	.47	.43	.41	.37
4.0	.65	.57	.50	.61	.54	.48	.54	.48	.44	.48	.43	.39	.42	.38	.35	.32
5.0	.58	.49	.43	.55	.47	.41	.49	.42	.38	.43	.38	.34	.37	.34	.30	.27
6.0	.52	.44	.38	.49	.42	.36	.44	.37	.33	.39	.34	.30	.34	.30	.27	.24
7.0	.47	.39	.33	.44	.37	.32	.40	.33	.29	.35	.30	.26	.31	.27	.24	.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	.30	.25	.21	.26	.22	.19	.17
10.0	.36	.28	.23	.34	.27	.23	.31	.25	.21	.27	.23	.19	.24	.20	.17	.16



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:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-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	.292	.166	.053	.274	.156	.050	.240	.138	.044	.209	.120	.039	.180	.104	.034	
2.0	.272	.149	.046	.255	.141	.043	.225	.125	.039	.196	.110	.034	.170	.096	.030	
3.0	.251	.134	.040	.236	.126	.038	.208	.113	.034	.182	.100	.031	.158	.088	.027	
4.0	.232	.120	.035	.218	.114	.034	.193	.102	.031	.169	.091	.027	.147	.080	.024	
5.0	.215	.109	.032	.202	.104	.030	.179	.093	.027	.157	.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	.119	.062	.018	
8.0	.174	.085	.024	.164	.081	.023	.145	.073	.021	.128	.065	.019	.112	.057	.017	
9.0	.163	.079	.022	.154	.075	.021	.137	.068	.019	.120	.060	.017	.105	.053	.015	
10.0	.153	.073	.020	.145	.070	.020	.129	.063	.018	.114	.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	.468	.468	.468	.400	.400	.400	.273	.273	.273	.157	.157	.157	.050	.050	.050	
1.0	.459	.437	.416	.393	.375	.358	.269	.258	.248	.155	.149	.144	.050	.048	.047	
2.0	.452	.414	.383	.387	.357	.331	.265	.247	.231	.153	.143	.135	.049	.046	.044	
3.0	.444	.398	.361	.381	.343	.313	.262	.238	.219	.151	.139	.129	.049	.045	.042	
4.0	.437	.386	.346	.375	.333	.300	.258	.232	.212	.149	.136	.125	.048	.044	.041	
5.0	.431	.376	.335	.370	.325	.292	.255	.227	.206	.148	.133	.122	.048	.044	.040	
6.0	.424	.368	.328	.365	.319	.286	.252	.223	.202	.146	.131	.120	.047	.043	.040	
7.0	.418	.362	.322	.359	.314	.281	.248	.220	.199	.144	.130	.119	.047	.042	.039	
8.0	.412	.356	.318	.355	.309	.278	.245	.217	.197	.143	.128	.117	.046	.042	.039	
9.0	.406	.352	.315	.350	.305	.275	.243	.215	.195	.141	.127	.116	.046	.042	.039	
10.0	.401	.348	.312	.346	.302	.273	.240	.213	.194	.140	.126	.116	.045	.041	.038	

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:4848.38x1 lm										
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-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	20.8	21.9	21.5	22.6	23.5	20.4	21.5	21.1	22.2	23.1
3H	22.4	23.4	23.2	24.2	25.1	21.9	22.8	22.6	23.6	24.5
4H	23.2	24.1	23.9	24.8	25.8	22.5	23.4	23.2	24.2	25.1
6H	23.8	24.6	24.6	25.4	26.4	22.9	23.8	23.7	24.6	25.5
8H	24.1	24.9	24.8	25.7	26.6	23.1	23.9	23.9	24.7	25.6
12H	24.3	25.0	25.1	25.8	26.8	23.2	23.9	24.0	24.7	25.7
4H 2H	21.3	22.2	22.1	23.0	23.9	21.0	21.9	21.8	22.7	23.6
3H	23.1	23.9	23.9	24.7	25.7	22.7	23.4	23.5	24.2	25.2
4H	24.0	24.7	24.8	25.5	26.5	23.4	24.1	24.2	24.9	25.9
6H	24.8	25.4	25.6	26.2	27.3	24.0	24.6	24.8	25.4	26.5
8H	25.1	25.6	25.9	26.5	27.6	24.2	24.7	25.0	25.6	26.7
12H	25.4	25.9	26.2	26.7	27.8	24.3	24.8	25.2	25.7	26.8
8H 4H	24.2	24.8	25.1	25.6	26.7	23.7	24.3	24.6	25.1	26.2
6H	25.2	25.6	26.1	26.5	27.6	24.5	24.9	25.4	25.8	26.9
8H	25.6	26.0	26.5	26.9	28.0	24.8	25.2	25.7	26.1	27.2
12H	26.0	26.3	26.9	27.3	28.4	25.0	25.4	25.9	26.3	27.4
12H 4H	24.2	24.7	25.1	25.6	26.7	23.7	24.2	24.6	25.1	26.2
6H	25.2	25.6	26.1	26.5	27.6	24.6	25.0	25.5	25.9	27.0
8H	25.7	26.1	26.6	27.0	28.1	24.9	25.3	25.8	26.2	27.3
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 4848 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.5)

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:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

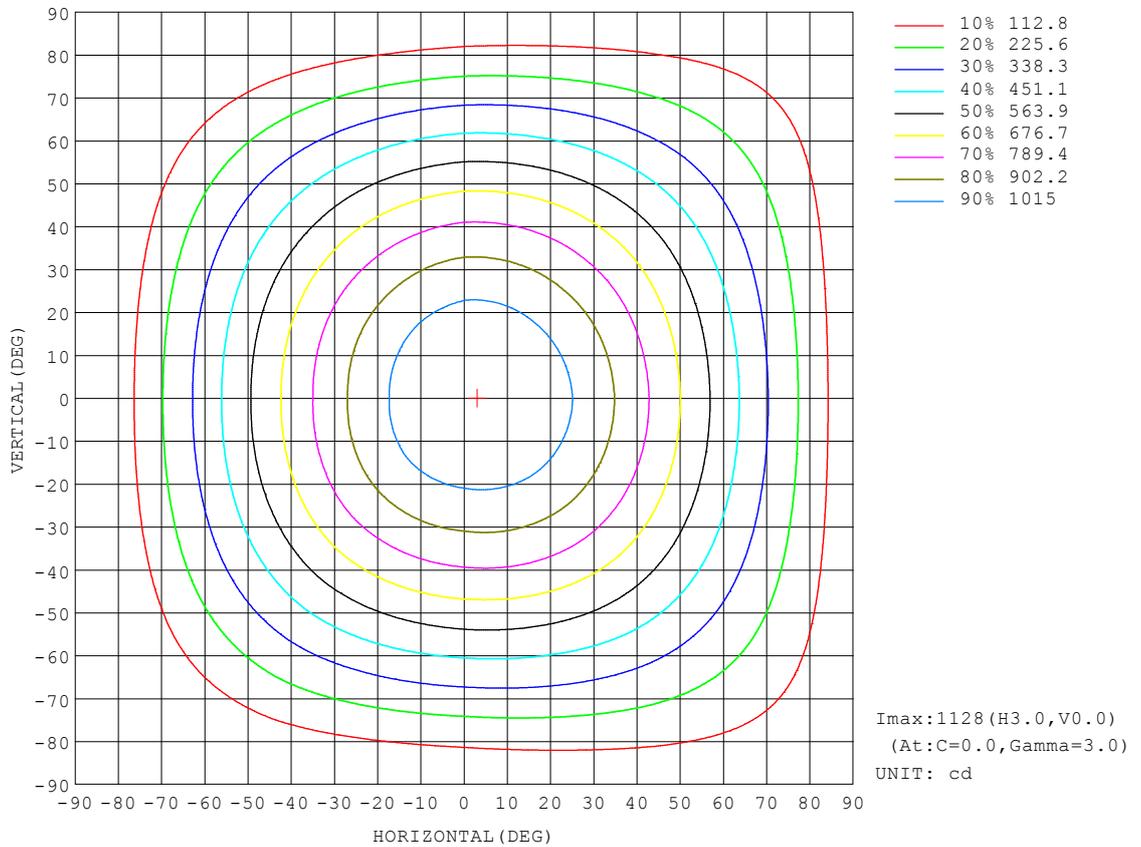
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	48	37	30	46	36	30	42	34	28	21
0.80	58	46	39	55	44	38	50	41	36	26
1.00	65	54	47	62	52	45	56	50	42	32
1.25	72	62	54	69	59	52	62	54	49	36
1.50	77	67	60	73	64	58	65	58	53	40
2.00	84	75	69	80	72	66	71	65	60	44
2.50	89	81	74	84	76	71	74	69	64	47
3.00	92	85	79	87	80	75	77	72	68	50
4.00	96	90	85	91	85	81	80	76	73	53
5.00	99	94	89	93	89	85	82	79	76	55
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:

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:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

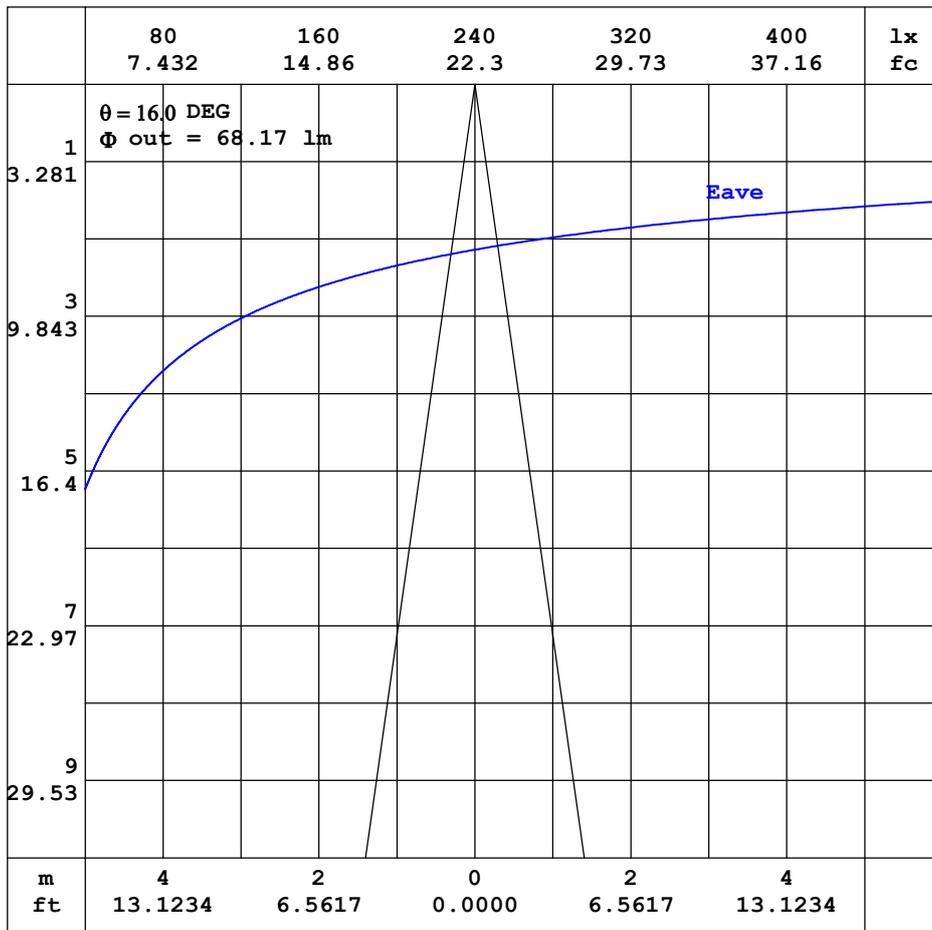


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:

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 CURVES

Test:U:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:



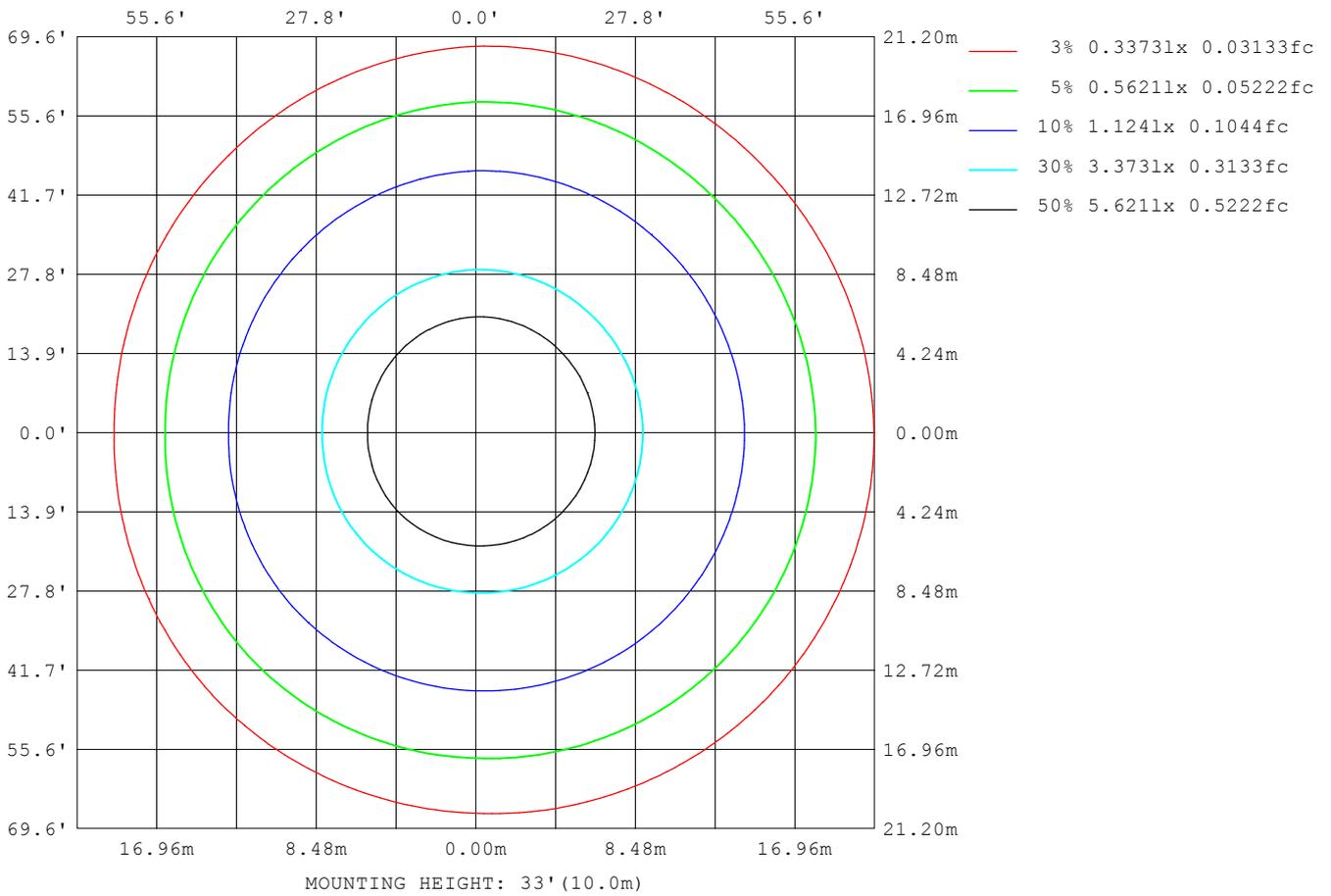
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-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:120.0V I:0.3380A P:40.40W PF:0.9900 Freq:60.00Hz Lamp Flux:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-30K-3.7	TYPE:3000K	WEIGHT:
SPEC.:	DIM.: 4FT	SERIAL No.:
MFR.:	SUR.:1.2*0.05	Shielding Angle:

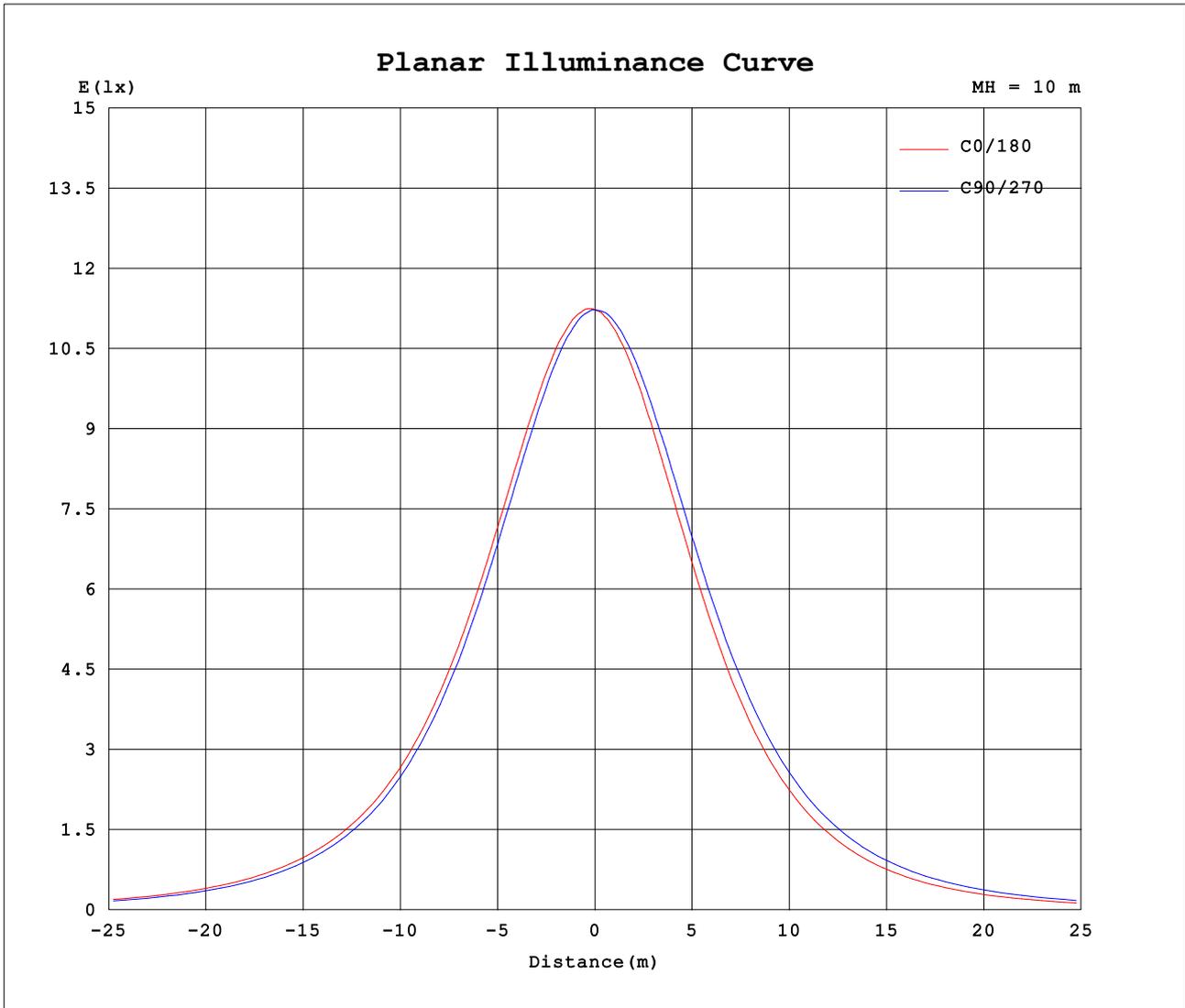
AvgL	cd/m2
L_0~180 (65) av	14413
L_0~180 (75) av	12766
L_0~180 (85) av	9799
L_90~270 (65) av	15229
L_90~270 (75) av	14105
L_90~270 (85) av	12303
L_45 (65) av	14810
L_45 (75) av	13623
L_45 (85) av	10256

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:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-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	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123
5	1127	1127	1126	1126	1125	1125	1124	1124	1123	1122	1122	1121	1120	1119	1118	1117	1117	1116	1115
10	1118	1118	1117	1116	1115	1115	1114	1112	1111	1110	1108	1107	1105	1103	1102	1100	1098	1097	1095
15	1096	1095	1095	1094	1092	1091	1090	1088	1087	1085	1083	1080	1078	1075	1073	1070	1068	1066	1063
20	1061	1060	1059	1058	1057	1056	1054	1053	1051	1049	1047	1044	1041	1038	1036	1033	1030	1027	1024
25	1016	1016	1015	1014	1013	1011	1010	1008	1006	1004	1001	998	995	992	989	986	983	979	976
30	963	962	962	961	960	958	957	955	952	950	947	943	940	936	932	928	924	920	916
35	900	900	899	898	897	896	894	892	889	887	883	879	875	871	867	862	858	854	849
40	830	830	830	829	828	826	825	823	820	818	814	811	807	803	799	794	790	786	781
45	755	755	755	754	753	752	750	748	746	743	740	736	732	728	724	719	715	710	706
50	677	677	677	676	675	674	672	670	667	665	661	657	653	648	644	639	634	630	625
55	597	597	596	596	594	593	591	589	587	584	580	576	572	568	563	558	554	549	544
60	512	513	512	512	511	510	508	506	504	501	497	493	489	484	480	475	470	465	460
65	428	428	428	427	426	425	423	421	419	416	413	409	405	400	396	391	386	382	377
70	345	345	345	344	343	342	340	338	336	333	330	326	322	317	313	308	304	299	294
75	263	263	263	262	261	260	259	257	254	252	248	244	240	235	231	226	221	217	212
80	182	182	182	182	182	181	179	178	176	173	170	166	162	157	153	148	143	139	134
85	99.9	100	100	100.0	99.4	98.6	97.4	96.0	94.3	92.3	89.6	86.7	83.5	80.1	76.5	72.8	69.0	65.0	60.9
90	24.0	23.5	23.0	22.4	21.6	20.8	19.9	18.9	17.9	16.7	15.0	13.3	11.5	9.72	7.99	6.32	4.75	3.31	2.02
95	2.83	2.53	2.34	2.24	2.24	2.34	2.53	2.83	3.22	3.71	4.78	5.91	7.07	8.22	9.32	10.3	11.2	12.0	12.5
100	11.4	10.0	9.03	8.46	8.28	8.51	9.13	10.2	11.6	13.4	17.3	21.5	25.8	30.1	34.3	38.3	42.0	45.2	47.7
105	18.7	14.9	12.1	10.3	9.49	9.70	10.9	13.1	16.3	20.6	29.4	39.1	49.1	59.4	69.5	79.3	88.4	96.6	104
110	28.9	28.8	29.8	31.6	34.4	38.1	42.8	48.5	55.0	62.5	74.7	87.6	101	114	127	140	152	163	172
115	68.5	77.6	86.7	95.9	105	114	124	133	143	152	164	175	186	197	207	217	225	233	240
120	161	174	186	198	209	219	229	238	247	255	263	270	276	282	287	292	296	299	302
125	279	288	296	304	311	318	324	330	336	341	345	349	353	356	358	360	362	363	364
130	386	388	390	392	394	396	398	400	402	404	406	408	409	411	413	414	415	416	417
135	456	455	455	454	454	453	453	453	454	454	455	457	458	460	461	463	464	465	466
140	504	503	501	500	500	499	498	498	498	499	500	501	502	504	505	507	508	510	511
145	542	541	540	540	539	539	538	538	538	538	539	540	541	542	543	545	546	547	548
150	577	577	576	576	576	575	575	575	575	575	576	576	577	577	578	579	579	580	580
155	606	606	606	606	606	606	606	607	607	607	607	607	607	607	607	608	608	608	608
160	630	630	629	629	629	629	629	630	630	630	631	631	632	632	633	633	634	634	635
165	648	648	647	647	647	647	647	647	647	648	648	649	649	650	651	651	652	653	653
170	660	660	660	660	660	660	661	661	661	661	661	662	662	662	663	663	663	663	664
175	667	667	667	667	667	668	668	668	668	668	668	668	669	669	669	669	669	669	670
180	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668

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:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-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	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123
5	1114	1114	1113	1113	1112	1112	1111	1111	1111	1110	1109	1109	1108	1108	1107	1107	1106	1106	1107
10	1094	1093	1091	1090	1089	1089	1088	1087	1086	1085	1083	1082	1081	1080	1079	1078	1078	1077	1078
15	1062	1060	1059	1057	1056	1055	1054	1052	1051	1049	1047	1045	1043	1041	1039	1038	1037	1036	1037
20	1022	1020	1018	1016	1014	1012	1010	1008	1006	1003	1000	998	995	992	990	989	987	986	987
25	973	970	968	965	962	959	957	954	952	948	945	942	939	936	934	932	930	929	930
30	913	910	907	904	901	898	895	892	889	885	881	877	874	871	868	865	863	862	863
35	846	843	839	836	833	830	827	824	821	816	812	807	803	799	796	793	791	789	790
40	777	774	770	766	763	759	755	752	748	743	738	733	729	725	721	718	715	713	715
45	702	698	694	690	686	682	678	674	670	665	660	655	650	646	642	639	637	635	636
50	621	617	613	609	605	601	597	593	589	584	579	574	569	565	561	557	555	553	554
55	540	536	532	528	524	520	516	512	508	502	497	491	486	481	477	474	471	469	470
60	456	452	448	444	440	436	432	428	424	419	413	408	403	398	394	390	387	385	386
65	373	369	365	361	357	353	349	346	342	336	331	325	320	315	311	308	305	302	303
70	290	287	283	279	275	271	268	264	260	254	249	244	238	234	229	226	223	220	221
75	209	206	202	199	196	193	189	186	182	176	169	163	157	151	145	141	137	134	135
80	130	126	123	119	115	112	108	104	100	94.1	88.0	82.1	76.4	71.1	66.2	62.0	58.4	55.8	56.8
85	56.9	52.8	48.7	44.6	40.5	36.6	32.7	28.9	25.3	21.7	18.3	15.1	12.2	9.58	7.28	5.33	3.76	2.61	2.32
90	1.66	1.47	1.41	1.48	1.63	1.86	2.13	2.43	2.72	2.58	2.42	2.25	2.07	1.89	1.72	1.56	1.43	1.33	1.44
95	11.9	11.0	10.0	8.88	7.68	6.43	5.19	3.97	2.82	2.39	2.05	1.80	1.64	1.54	1.50	1.52	1.59	1.69	1.62
100	46.6	44.9	42.7	40.0	36.9	33.5	30.0	26.4	22.8	20.0	17.3	14.7	12.4	10.4	8.62	7.20	6.15	5.52	6.61
105	103	102	99.1	95.4	90.8	85.6	79.9	73.8	67.6	61.8	56.2	50.8	45.6	41.0	36.8	33.4	30.7	28.9	31.7
110	176	177	177	176	174	170	165	160	153	142	130	119	107	96.1	85.9	77.0	69.5	63.9	70.3
115	242	244	244	243	242	239	236	232	227	220	213	205	198	191	184	178	173	170	174
120	303	303	303	302	301	299	297	295	293	290	286	283	280	277	274	272	270	268	270
125	364	364	363	363	362	360	359	357	355	354	352	350	348	346	345	343	342	341	342
130	417	417	416	416	415	414	413	412	411	410	409	407	406	405	404	404	403	402	403
135	466	466	466	465	465	464	463	463	462	461	460	459	458	457	456	455	455	454	455
140	511	511	510	510	509	508	508	507	506	505	504	503	503	502	501	501	500	500	501
145	548	548	548	547	547	547	546	546	545	545	544	543	543	542	542	541	541	540	541
150	580	581	581	581	581	581	581	581	581	581	580	579	579	578	577	577	576	576	576
155	609	609	610	610	611	611	612	612	612	612	611	610	610	609	608	607	606	606	606
160	635	635	635	635	635	635	635	635	635	634	633	633	632	631	631	630	629	629	629
165	653	653	653	653	653	652	652	652	651	651	650	650	649	649	648	648	647	647	647
170	664	663	663	663	663	663	662	662	662	662	661	661	661	661	660	660	660	660	660
175	670	670	670	670	670	669	669	669	669	669	669	669	669	668	668	668	668	668	668
180	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668

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:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-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	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123
5	1107	1107	1108	1108	1109	1110	1111	1111	1112	1113	1114	1115	1116	1117	1118	1119	1119	1120	1120
10	1078	1079	1080	1081	1082	1083	1084	1086	1088	1090	1092	1094	1096	1098	1099	1101	1103	1104	1105
15	1038	1039	1041	1043	1045	1047	1050	1053	1055	1058	1061	1064	1067	1070	1072	1075	1077	1079	1080
20	988	990	992	994	997	1000	1003	1007	1010	1014	1018	1022	1026	1030	1034	1037	1040	1042	1044
25	931	933	935	938	941	944	948	952	956	961	966	971	975	980	984	989	993	995	996
30	865	867	869	873	876	880	885	889	894	900	905	911	916	922	927	932	936	938	940
35	792	795	798	802	806	811	816	821	827	833	839	845	851	857	863	868	873	875	877
40	717	719	722	726	731	736	741	746	753	759	766	773	779	786	792	798	803	806	808
45	638	641	644	648	653	658	663	669	676	683	690	697	704	710	717	723	728	731	734
50	556	559	562	566	571	576	582	588	595	602	609	616	623	630	637	643	649	652	654
55	472	474	478	482	487	492	497	503	510	518	525	532	539	546	553	559	565	568	570
60	388	391	394	398	403	408	414	420	426	433	441	448	455	462	469	475	481	484	486
65	305	308	311	315	319	324	329	335	342	349	356	363	370	377	384	390	395	398	401
70	223	225	228	232	236	241	247	252	259	265	272	279	285	292	298	304	310	312	315
75	137	140	144	149	154	160	166	172	178	185	191	197	204	210	215	221	226	229	231
80	58.7	61.5	65.0	69.1	73.8	78.9	84.5	90.4	96.5	103	109	115	121	128	133	139	144	147	150
85	2.47	3.08	4.14	5.66	7.64	10.1	13.0	16.3	21.6	27.2	33.1	39.1	45.1	51.1	57.0	62.5	67.7	70.2	72.3
90	1.59	1.75	1.93	2.12	2.31	2.49	2.66	2.81	2.67	2.52	2.37	2.22	2.10	2.02	1.98	2.01	2.10	2.41	2.80
95	1.58	1.59	1.64	1.74	1.90	2.12	2.42	2.79	3.71	4.68	5.68	6.67	7.63	8.53	9.34	10.0	10.6	10.2	9.70
100	8.11	9.95	12.1	14.5	17.0	19.7	22.4	25.1	27.8	30.4	32.8	35.0	37.0	38.6	39.8	40.7	41.0	38.9	36.3
105	35.4	39.9	44.9	50.3	56.0	61.8	67.5	73.1	77.3	81.2	84.5	87.3	89.4	90.8	91.3	91.0	89.8	83.7	76.9
110	78.5	88.2	98.9	110	122	134	145	156	160	162	164	164	163	162	159	155	150	143	136
115	179	185	192	199	206	214	220	227	228	229	228	227	226	224	221	218	214	211	207
120	272	275	278	281	284	287	290	292	292	291	289	287	285	283	281	278	276	276	276
125	343	345	346	348	349	351	352	353	352	350	349	347	345	343	341	340	338	339	340
130	404	405	405	406	407	408	408	408	407	405	404	402	400	398	396	395	393	394	395
135	456	457	458	459	460	460	461	461	459	457	455	453	451	449	447	445	444	444	445
140	502	502	503	504	505	506	506	507	505	503	501	499	497	495	493	492	490	490	491
145	542	543	544	544	545	546	546	547	545	544	543	541	539	538	536	535	533	533	533
150	577	577	577	578	578	579	579	579	578	577	576	575	574	573	572	571	570	569	569
155	606	606	605	605	605	605	605	605	605	604	603	603	602	601	600	600	599	599	599
160	629	629	629	629	629	629	629	629	628	627	626	625	624	623	622	622	621	621	621
165	647	647	647	647	647	647	647	646	646	645	645	644	643	643	642	642	641	641	641
170	660	660	660	660	660	660	660	660	659	659	659	658	658	658	657	657	657	656	656
175	667	667	667	667	667	667	667	667	667	667	667	666	666	666	666	666	666	665	665
180	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668

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:4848.38x1 lm		
NAME: 9700-BLS2-PROFILE-4F-DU-BL-40W-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	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123	1123				
5	1121	1121	1121	1122	1122	1122	1123	1123	1124	1124	1125	1125	1126	1126	1127				
10	1106	1106	1107	1107	1108	1109	1109	1110	1111	1112	1113	1114	1115	1116	1117				
15	1081	1082	1083	1083	1084	1085	1085	1086	1087	1089	1090	1091	1092	1093	1095				
20	1045	1046	1047	1048	1048	1049	1050	1051	1052	1053	1054	1056	1057	1058	1059				
25	998	999	1000	1001	1002	1002	1003	1004	1006	1007	1009	1010	1011	1013	1015				
30	942	943	944	945	946	947	948	949	951	952	954	955	957	959	961				
35	879	880	882	883	883	884	885	886	888	890	891	893	895	896	898				
40	809	811	812	813	814	814	815	816	818	820	821	823	825	827	828				
45	735	737	738	739	740	740	741	743	744	746	747	749	750	752	754				
50	656	657	658	659	660	660	661	663	664	666	668	670	671	673	675				
55	572	574	575	576	577	577	578	580	582	584	586	588	590	592	595				
60	488	489	491	492	492	493	494	496	498	500	501	504	506	508	510				
65	403	404	405	406	407	408	409	411	413	415	417	419	421	424	426				
70	316	318	319	320	321	322	323	325	327	330	332	334	337	339	342				
75	233	234	236	237	238	239	240	243	245	247	249	252	255	257	260				
80	152	154	155	157	158	160	161	163	165	167	170	172	174	177	179				
85	74.1	75.6	76.8	77.8	78.8	79.7	80.6	82.5	84.4	86.3	88.4	90.5	92.8	95.1	97.4				
90	3.29	3.87	4.55	5.34	6.23	7.23	8.34	9.61	11.0	12.5	14.1	15.9	17.7	19.7	21.8				
95	9.06	8.33	7.53	6.69	5.83	4.98	4.17	3.77	3.43	3.16	2.95	2.80	2.71	2.69	2.73				
100	33.4	30.2	26.8	23.4	20.0	16.8	13.7	12.2	11.1	10.2	9.61	9.35	9.40	9.75	10.4				
105	69.4	61.5	53.4	45.2	37.2	29.6	22.6	19.0	16.3	14.3	13.1	12.6	13.0	14.1	16.0				
110	127	118	109	99.7	90.4	81.2	72.3	65.7	59.6	53.9	48.7	43.9	39.5	35.5	32.0				
115	203	199	194	188	182	175	168	159	150	140	130	119	107	95.1	82.1				
120	276	276	275	274	271	268	264	257	249	240	230	218	206	192	177				
125	341	342	343	343	343	343	341	338	333	328	322	315	307	298	289				
130	395	396	397	398	399	400	401	400	399	398	397	395	393	391	388				
135	446	447	448	449	450	452	453	454	454	455	455	456	456	456	456				
140	491	492	493	494	496	497	498	499	500	500	501	502	502	503	504				
145	533	534	534	535	536	537	537	538	538	539	539	540	541	541	542				
150	569	569	569	569	569	570	570	571	571	572	572	573	574	575	576				
155	598	598	598	598	599	599	599	599	600	601	601	602	603	604	605				
160	621	621	622	622	623	623	624	624	625	625	626	627	627	628	629				
165	641	641	642	642	642	642	643	643	644	644	645	645	646	647	647				
170	656	656	656	656	656	656	656	657	657	657	658	658	659	659	660				
175	665	665	665	665	665	665	665	666	666	666	666	666	667	667	667				
180	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668				

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: