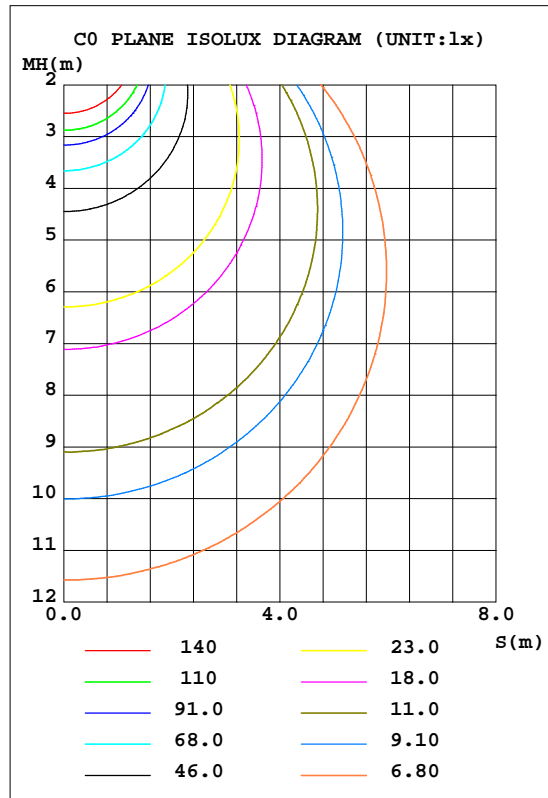
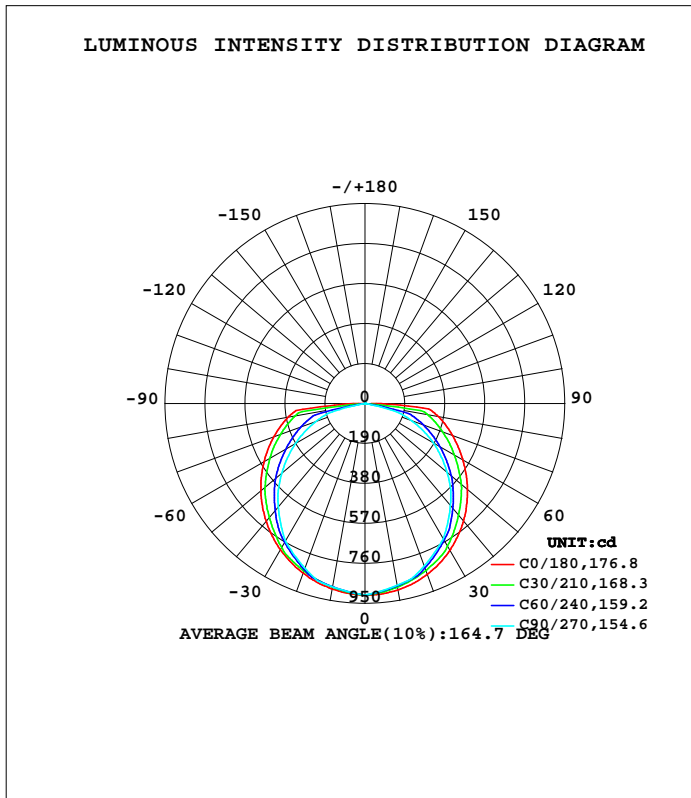


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: ASD-LRKTR-2D2540-PRM	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 118.16 lm/W			
MODEL ASD-LRKTR-2D2540-PRM		I _{max} (cd)	911.1	S/MH(C0/180)	1.32
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3025	h UP, DN(C0-180)	0.0,49.5
NOMINAL FLUX(lm)	3025.	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0,50.5
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	100.0	CIBSE SHR MAX	1.35



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Richard
 Test Date:2021-09-22

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
 Humidity:65.0%
 Test Distance:8.930m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

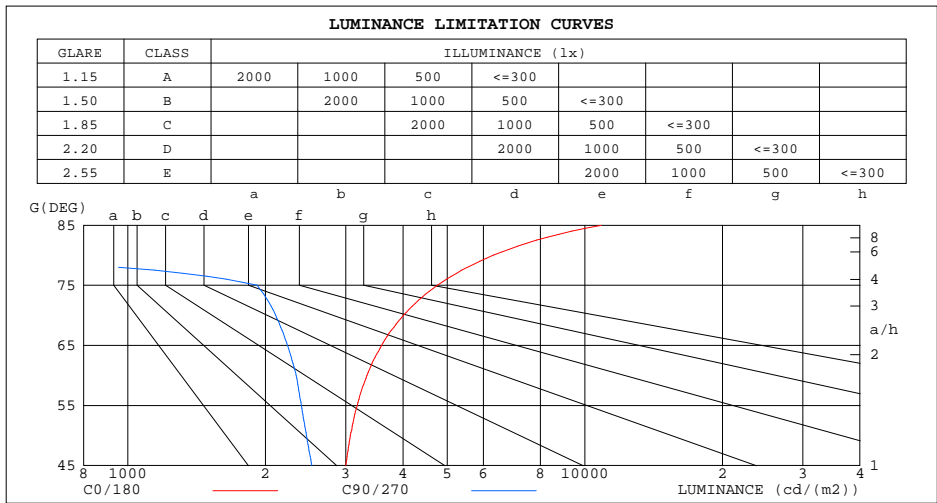
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	900.0	882.4	878.0	879.9	895.3	885.1	885.1	887.3	0- 10	85.43	85.43	2.94,2.94
20	864.5	843.5	822.5	839.4	858.1	849.9	833.8	853.0	10- 20	245.2	330.6	11.4,11.4
30	806.0	763.8	743.8	762.2	803.5	773.4	756.2	774.7	20- 30	373.2	703.7	24.2,24.2
40	729.3	674.4	632.2	677.9	730.7	690.6	641.2	686.9	30- 40	455.9	1160	39.9,39.9
50	636.0	564.2	509.9	573.0	646.4	586.4	516.5	574.8	40- 50	485.9	1646	56.6,56.6
60	538.1	452.8	376.8	468.3	554.4	481.9	381.9	463.5	50- 60	465.3	2111	72.7,72.7
70	442.2	346.4	232.3	364.7	461.0	379.4	246.2	357.8	60- 70	404.6	2515	86.6,86.6
80	353.4	205.3	0	219.7	369.7	233.4	0	216.0	70- 80	306.6	2822	97.1,97.1
90	29.90	0	0	0	4.077	0	0	0	80- 90	83.19	2905	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Richard
 Test Date:2021-09-22

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
 Humidity:65.0%
 Test Distance:8.930m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME:	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



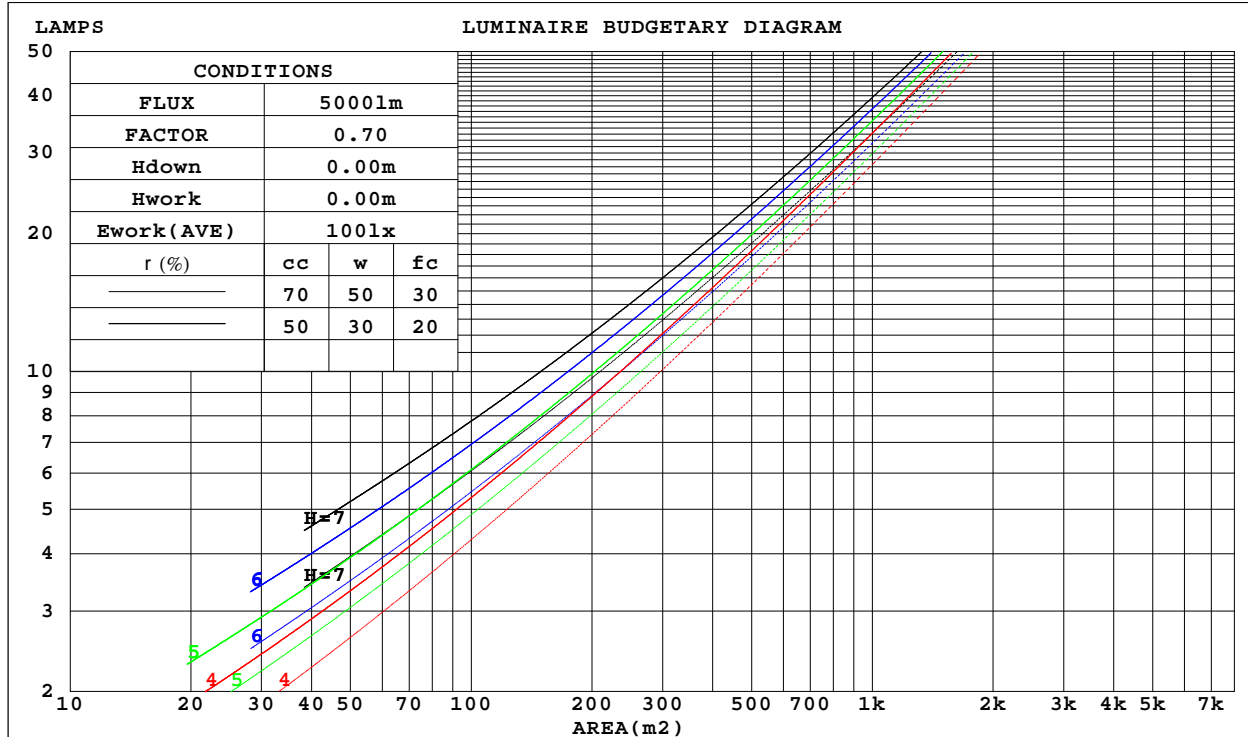
H(b) Range:-90 - 90DEG
 H(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Richard
 Test Date:2021-09-22

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
 Humidity:65.0%
 Test Distance:8.930m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.02	.97	.93	.90	.96	.92	.96	.92	.89	.92	.89	.86	.88	.86	.83	.81
2.0	.88	.80	.74	.86	.79	.73	.82	.77	.72	.79	.74	.70	.76	.72	.68	.66
3.0	.76	.68	.61	.75	.67	.60	.72	.65	.59	.69	.63	.58	.66	.61	.57	.55
4.0	.67	.58	.51	.66	.57	.50	.63	.56	.50	.61	.54	.49	.59	.53	.48	.46
5.0	.60	.50	.43	.59	.50	.43	.57	.49	.43	.55	.48	.42	.53	.47	.42	.39
6.0	.54	.44	.38	.53	.44	.37	.51	.43	.37	.49	.42	.37	.48	.41	.36	.34
7.0	.49	.39	.33	.48	.39	.33	.46	.38	.33	.45	.38	.32	.43	.37	.32	.30
8.0	.44	.35	.29	.44	.35	.29	.42	.35	.29	.41	.34	.29	.40	.33	.29	.27
9.0	.41	.32	.26	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.24
10.0	.37	.29	.24	.37	.29	.24	.36	.29	.24	.35	.28	.24	.34	.28	.23	.22



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Richard
 Test Date:2021-09-22

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
 Humidity:65.0%
 Test Distance:8.930m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME:	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.343	.195	.062	.336	.191	.061	.322	.185	.059	.310	.179	.057	.298	.173	.056	
2.0	.316	.173	.053	.310	.171	.053	.298	.166	.051	.287	.161	.050	.277	.157	.049	
3.0	.289	.154	.046	.283	.152	.046	.272	.148	.045	.263	.144	.044	.254	.140	.043	
4.0	.263	.137	.040	.258	.135	.040	.249	.132	.039	.240	.129	.039	.232	.126	.038	
5.0	.241	.123	.036	.237	.122	.035	.229	.119	.035	.221	.117	.035	.214	.114	.034	
6.0	.222	.111	.032	.218	.110	.032	.211	.108	.031	.204	.106	.031	.198	.104	.031	
7.0	.206	.102	.029	.202	.101	.029	.196	.099	.029	.190	.097	.028	.184	.096	.028	
8.0	.192	.094	.026	.188	.093	.026	.183	.091	.026	.177	.090	.026	.172	.088	.026	
9.0	.179	.087	.024	.176	.086	.024	.171	.084	.024	.166	.083	.024	.161	.082	.024	
10.0	.168	.080	.022	.165	.080	.022	.160	.079	.022	.156	.077	.022	.152	.076	.022	

r cc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.183	.156	.132	.156	.134	.113	.107	.092	.078	.062	.053	.046	.020	.017	.015	
2.0	.176	.132	.095	.150	.113	.082	.103	.078	.057	.059	.046	.034	.019	.015	.011	
3.0	.168	.114	.072	.144	.099	.062	.099	.069	.044	.057	.040	.026	.018	.013	.008	
4.0	.160	.101	.056	.138	.088	.049	.095	.061	.034	.055	.036	.020	.018	.012	.007	
5.0	.153	.091	.046	.131	.079	.040	.090	.055	.028	.052	.032	.017	.017	.011	.005	
6.0	.145	.083	.038	.125	.072	.033	.086	.050	.023	.050	.029	.014	.016	.010	.005	
7.0	.138	.076	.032	.119	.066	.028	.082	.046	.020	.048	.027	.012	.015	.009	.004	
8.0	.131	.070	.028	.113	.061	.024	.078	.043	.017	.046	.025	.010	.015	.008	.003	
9.0	.125	.065	.025	.108	.056	.021	.075	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.119	.061	.022	.103	.053	.019	.071	.037	.014	.042	.022	.008	.013	.007	.003	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2021-09-22

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME:		TYPE:					WEIGHT:				
SPEC.: 4000K 80Ra		DIM.:					SERIAL No.:				
MFR.: ASD Lighting Corp		SUR.:					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	13.4	15.0	13.7	15.2	15.5	11.9	13.5	12.1	13.7	13.9
	3H	15.9	17.4	16.2	17.6	17.9	13.4	14.9	13.7	15.1	15.3
	4H	17.2	18.6	17.6	18.9	19.2	14.0	15.4	14.3	15.6	15.9
	6H	18.7	20.0	19.0	20.3	20.6	14.0	15.3	14.3	15.6	15.9
	8H	19.3	20.6	19.6	20.9	21.2	13.9	15.2	14.3	15.5	15.8
	12H	20.0	21.2	20.3	21.5	21.8	13.9	15.1	14.2	15.4	15.7
4H	2H	14.0	15.4	14.3	15.7	16.0	12.9	14.3	13.2	14.5	14.8
	3H	16.7	18.0	17.1	18.3	18.6	14.6	15.9	15.0	16.2	16.5
	4H	18.3	19.4	18.6	19.7	20.1	15.4	16.5	15.7	16.8	17.2
	6H	19.9	20.9	20.3	21.3	21.6	15.5	16.5	15.9	16.8	17.2
	8H	20.6	21.6	21.0	21.9	22.3	15.4	16.4	15.8	16.7	17.1
	12H	21.3	22.2	21.8	22.6	23.0	15.4	16.2	15.8	16.6	17.0
8H	4H	18.6	19.6	19.0	20.0	20.3	16.2	17.2	16.7	17.6	18.0
	6H	20.6	21.4	21.0	21.8	22.2	16.4	17.2	16.9	17.6	18.1
	8H	21.5	22.2	22.0	22.7	23.1	16.4	17.1	16.8	17.5	18.0
	12H	22.5	23.1	22.9	23.5	24.0	16.3	17.0	16.8	17.4	17.9
12H	4H	18.6	19.5	19.0	19.9	20.3	16.5	17.4	16.9	17.8	18.2
	6H	20.6	21.3	21.0	21.7	22.2	16.7	17.4	17.2	17.9	18.3
	8H	21.6	22.2	22.0	22.6	23.1	16.7	17.3	17.2	17.8	18.2
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H		+ 0.2 / - 0.2					+ 0.1 / - 0.2				
2.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.5				

CIE Pub.117, 2905 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.7)
Area: 0.3224 m2

H_(b) Range:-90 - 90DEG
H_(b) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2021-09-22

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME:	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

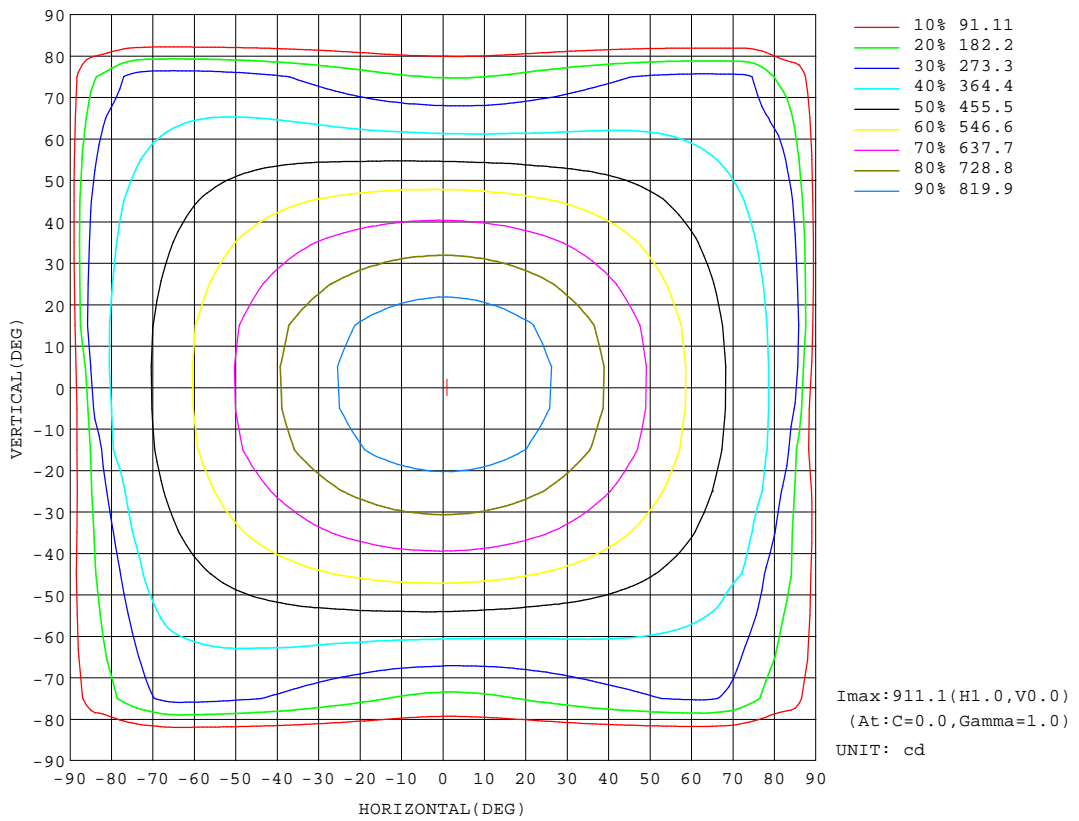
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	55	43	36	54	43	36	53	42	36	29
0.80	65	53	45	64	52	45	62	51	44	37
1.00	73	61	53	72	61	53	69	62	53	45
1.25	80	69	61	79	68	61	76	67	60	52
1.50	85	75	67	84	74	67	80	72	65	57
2.00	92	83	76	91	82	75	87	80	74	65
2.50	97	88	82	95	87	81	91	84	79	70
3.00	100	93	87	98	91	86	94	88	83	75
4.00	105	98	93	102	97	92	98	93	89	80
5.00	107	102	98	105	100	96	100	96	93	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Richard
 Test Date:2021-09-22

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
 Humidity:65.0%
 Test Distance:8.930m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

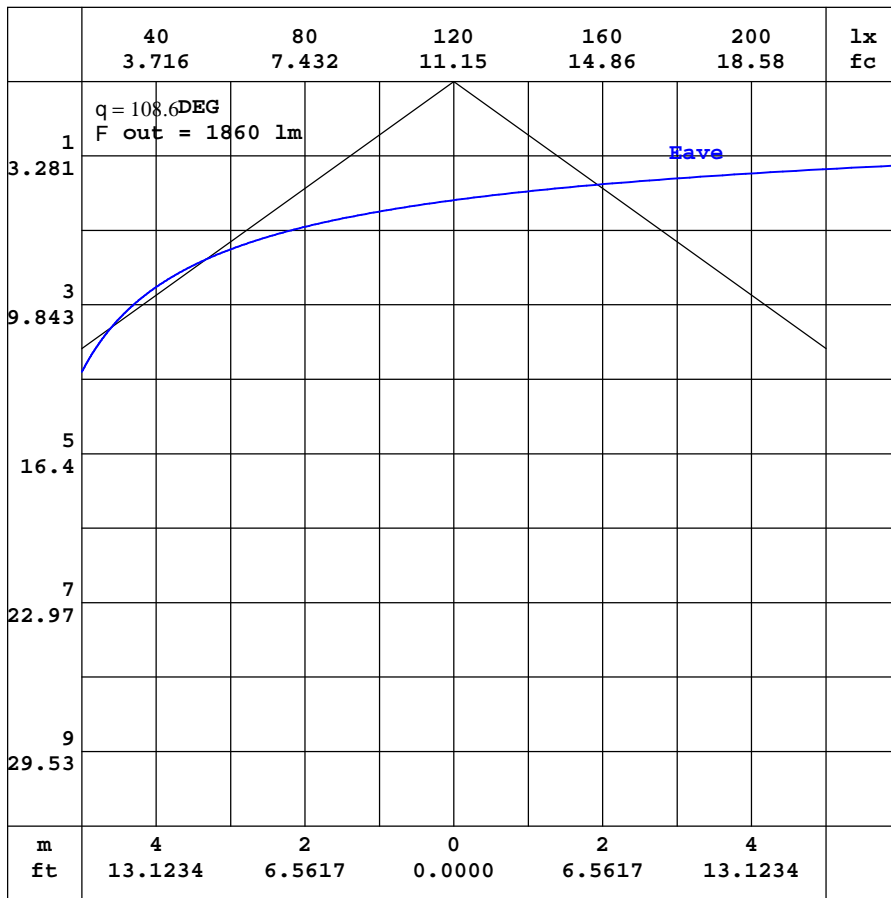


H(β) Range: -90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Richard
 Test Date: 2021-09-22

V(B) Range: -75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.442
 Humidity: 65.0%
 Test Distance: 8.930m [K=1.0000]
 Remarks:

AAI CURVES

NAME:	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



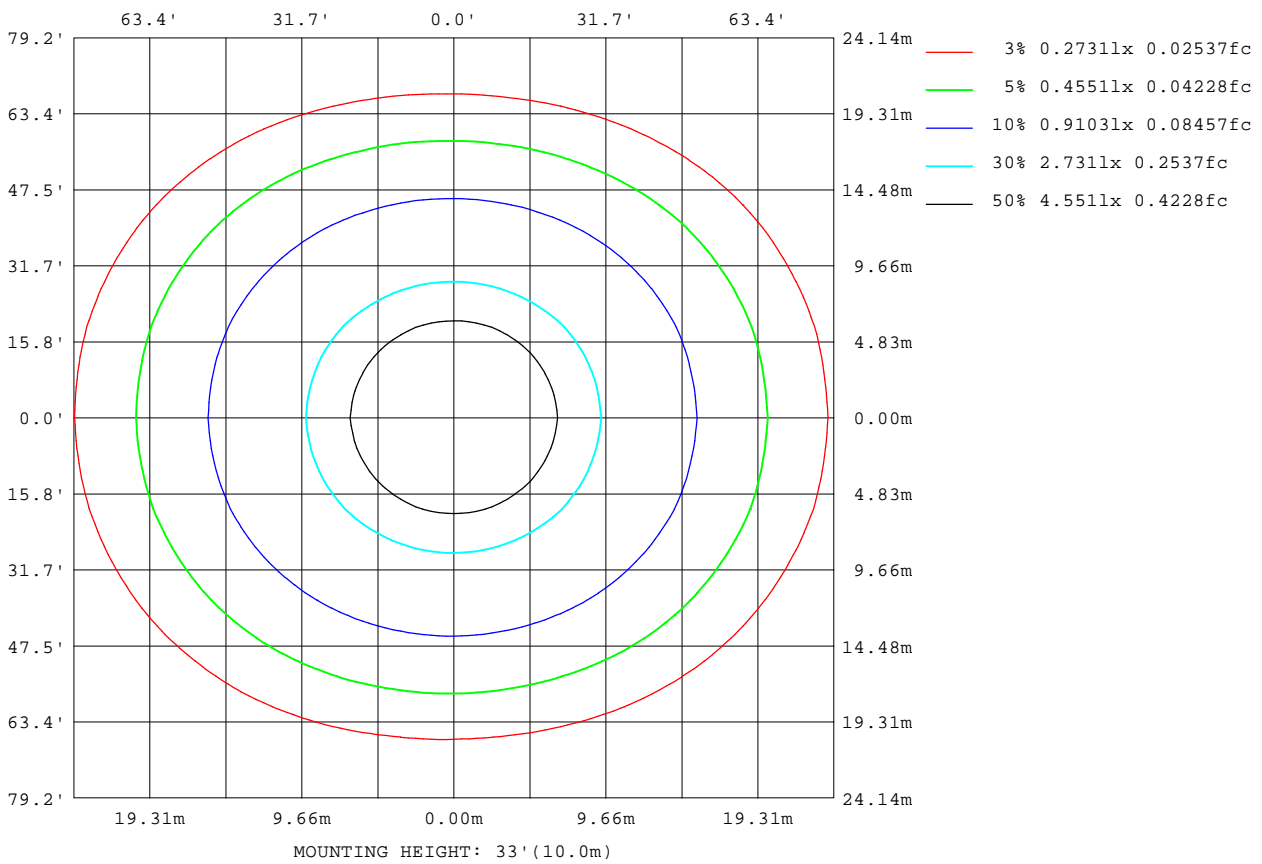
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range: -90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Richard
 Test Date: 2021-09-22

V(B) Range: -75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.442
 Humidity: 65.0%
 Test Distance: 8.930m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2021-09-22

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks:

LED Avg.L Report

NAME:	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

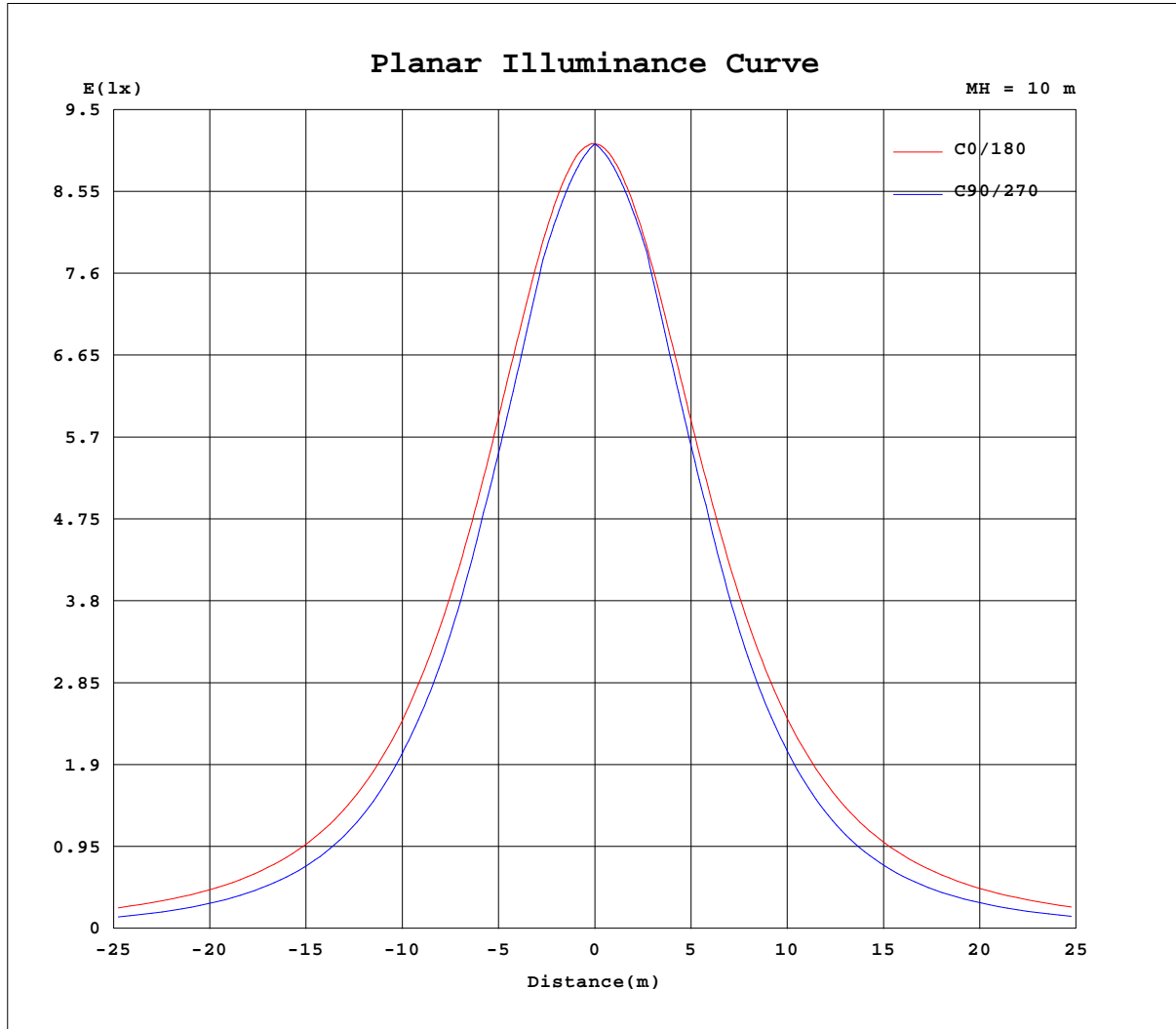
AvgL	cd/m2
L_0~180(65)av	3660
L_0~180(75)av	4865
L_0~180(85)av	10093
L_90~270(65)av	2270
L_90~270(75)av	2028
L_90~270(85)av	0
L_45(65)av	3030
L_45(75)av	3760
L_45(85)av	0

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2021-09-22

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Richard
 Test Date:2021-09-22

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
 Humidity:65.0%
 Test Distance:8.930m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910
5	909	908	906	905	904	902	901	900	899	898	897	897	896	895	895	895	895	894	894
10	900	897	895	892	890	888	886	885	883	882	882	881	881	880	879	879	878	878	878
15	886	882	878	875	872	870	868	866	865	864	864	863	863	863	862	862	862	861	862
20	864	859	855	851	848	847	845	844	844	843	841	836	832	830	827	825	824	823	823
25	838	832	828	824	821	820	818	819	811	806	801	796	792	789	787	786	784	783	783
30	806	799	794	791	789	788	784	777	770	764	759	755	752	749	747	745	744	744	744
35	769	762	757	754	753	748	739	732	725	721	716	714	706	701	696	692	690	688	688
40	729	721	716	714	711	701	693	686	681	674	666	657	650	644	639	636	634	632	632
45	683	676	672	671	662	653	646	640	629	619	609	601	593	588	583	579	578	576	576
50	636	628	626	622	612	605	598	585	574	564	554	545	536	528	521	515	512	509	510
55	587	580	579	570	563	556	543	532	521	511	498	486	473	464	456	449	445	443	443
60	538	532	529	522	516	503	491	480	467	453	439	425	412	400	391	384	378	376	377
65	490	484	480	475	464	453	441	427	413	398	382	367	352	338	326	316	309	305	305
70	442	439	434	427	417	406	392	377	362	346	330	312	295	278	262	249	239	234	232
75	397	394	389	381	372	360	346	331	315	298	279	258	237	217	199	182	170	163	160
80	353	339	313	313	320	316	302	287	269	205	145	99.4	65.3	40.7	23.6	12.2	5.05	1.21	0.00
85	305	197	203	223	226	95.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	29.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H_(β) Range:-90 - 90DEG
 H_(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Richard
 Test Date:2021-09-22

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
 Humidity:65.0%
 Test Distance:8.930m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910
5	894	894	894	894	895	895	896	896	896	897	898	899	900	901	902	903	905	906	905
10	878	878	878	878	878	878	878	879	880	881	881	882	884	886	888	890	893	895	893
15	861	861	861	861	860	860	860	860	861	861	862	864	865	867	870	873	876	880	877
20	822	823	824	825	827	830	834	837	839	840	840	841	842	844	846	849	853	858	855
25	783	783	784	786	788	791	794	799	803	808	815	815	815	817	819	823	827	833	829
30	744	743	745	747	749	751	754	758	762	768	774	782	786	787	789	792	797	803	799
35	688	689	693	697	701	707	713	717	721	726	733	740	749	754	755	757	762	769	764
40	632	634	637	642	647	652	660	668	678	684	690	696	705	715	718	719	724	731	726
45	577	579	583	587	592	599	606	615	625	635	646	652	660	669	679	680	683	690	685
50	511	514	520	526	534	544	553	563	573	583	595	607	615	623	633	637	640	646	642
55	445	449	455	463	473	483	495	509	523	534	545	557	569	577	585	594	595	601	597
60	379	383	390	400	412	424	439	454	468	483	498	508	520	531	538	547	549	554	552
65	308	314	324	337	351	366	383	400	415	431	447	461	472	483	492	499	503	508	506
70	237	245	258	274	291	309	329	348	365	382	399	413	426	437	445	452	458	461	461
75	166	177	192	211	232	253	275	297	316	334	352	367	379	391	401	404	412	415	416
80	1.23	5.26	12.9	25.3	43.8	70.2	107	156	220	287	305	321	334	340	324	307	320	370	371
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102	240	245	215	195	262	324
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.08	0.00

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2021-09-22

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--3

UNIT: cd

C(DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910
5	904	903	902	901	901	900	899	899	899	898	898	898	898	898	898	898	898	898	898
10	891	890	888	887	886	886	885	885	884	884	884	884	885	885	885	885	885	886	886
15	875	873	871	870	869	868	868	869	869	869	870	870	870	871	872	873	873	873	872
20	852	850	848	848	848	848	848	850	848	845	842	838	837	835	834	834	834	834	835
25	826	824	823	823	823	825	819	814	808	806	802	800	798	797	795	795	795	796	796
30	795	794	794	795	792	785	778	773	769	766	763	761	759	758	756	756	756	757	757
35	761	761	761	758	750	744	738	733	729	726	719	714	708	704	701	700	699	699	701
40	724	724	724	715	708	702	697	691	681	672	664	657	652	648	644	642	641	642	643
45	684	686	678	671	665	660	648	638	628	618	610	603	596	591	588	585	584	584	585
50	643	641	633	627	620	609	598	586	576	566	555	544	535	528	523	518	516	517	519
55	600	593	587	582	570	559	548	536	522	508	494	482	471	463	457	451	449	450	452
60	552	546	542	532	522	511	497	482	466	451	435	420	408	398	391	385	382	382	385
65	504	501	493	485	475	461	446	429	412	395	378	361	346	334	325	318	314	314	318
70	458	454	448	438	426	412	396	379	361	342	323	303	286	270	258	250	246	246	251
75	414	411	403	393	380	366	350	332	312	290	268	246	226	207	192	183	178	179	184
80	371	366	359	349	336	322	304	233	165	114	75.0	46.8	27.1	13.9	5.73	1.37	0.00	1.33	5.48
85	312	313	276	108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

H(b) Range:-90 - 90DEG
 H(b) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Richard
 Test Date:2021-09-22

V(B) Range:-75 - 75DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
 Humidity:65.0%
 Test Distance:8.930m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.: 4000K 80Ra	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--4

UNIT: cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910				
5	899	899	899	899	900	900	901	901	902	903	904	905	906	907	908				
10	885	886	886	886	887	887	887	888	889	890	891	892	894	896	898				
15	873	872	873	872	872	872	871	872	872	873	874	876	878	880	883				
20	836	838	841	844	846	851	853	852	851	852	852	853	855	857	861				
25	797	799	801	804	807	811	816	821	828	827	826	827	828	830	834				
30	758	760	761	764	766	770	775	780	786	792	796	795	796	797	801				
35	703	707	712	719	725	728	732	736	742	748	757	760	759	760	764				
40	646	649	655	661	668	677	687	692	697	703	710	719	720	720	723				
45	588	592	597	604	612	621	630	641	652	657	662	669	677	676	678				
50	523	530	537	546	556	565	575	586	597	609	615	620	627	629	630				
55	457	464	472	483	495	508	521	532	543	553	566	571	576	582	582				
60	391	400	409	421	435	449	463	478	491	501	512	523	527	533	533				
65	326	336	348	361	376	393	409	424	438	452	462	471	480	483	486				
70	261	274	289	306	323	341	358	374	389	402	414	424	431	436	440				
75	196	212	231	251	271	291	310	327	343	356	368	378	386	392	395				
80	13.1	25.4	43.7	69.7	105	153	216	282	298	312	324	334	342	348	352				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.1	253	289	283	304				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Richard
Test Date:2021-09-22

V(B) Range:-75 - 75DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.442
Humidity:65.0%
Test Distance:8.930m [K=1.0000]
Remarks: