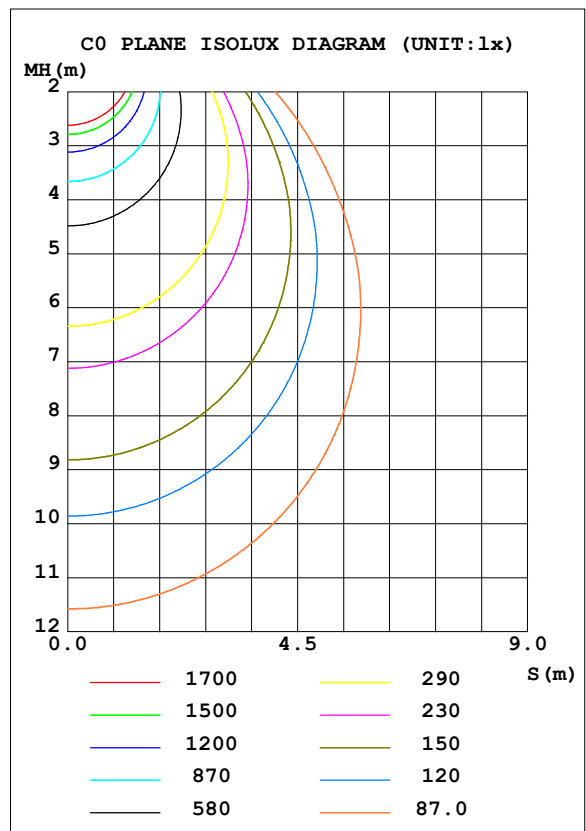
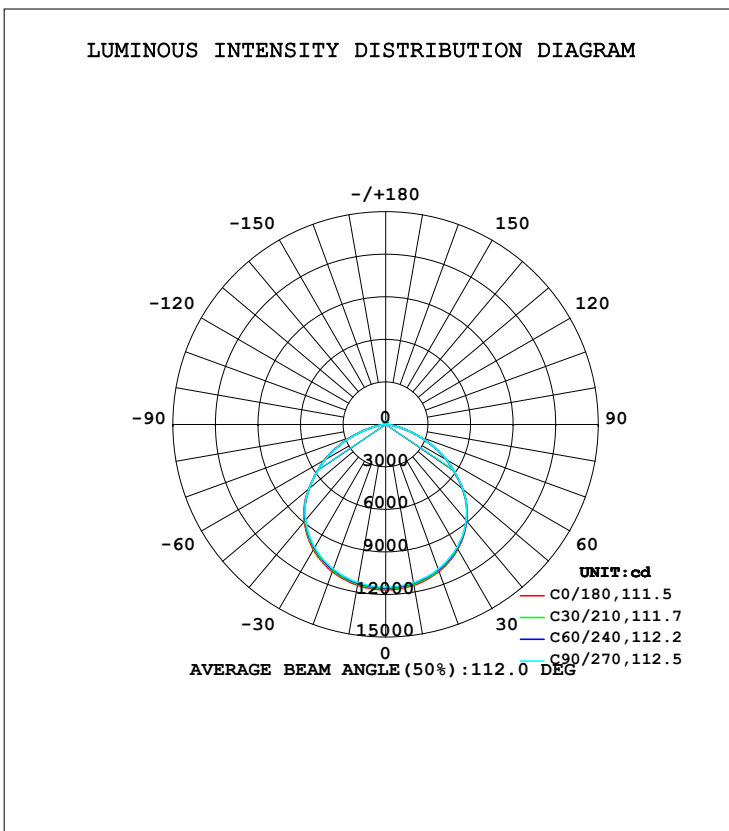


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:480.20V I:0.5050A P:242.50W PF:0.9268 Freq:49.97Hz Lamp Flux:32714x1 lm		
NAME: ASD-UHB2HV-240D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 134.90 lm/W			
MODEL ASD-UHB2HV-240D50-PRM		I <sub>max</sub> (cd)	11661	S/MH (C0/180)	1.30
NOMINAL POWER (W)	240	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	480	TOTAL FLUX (lm)	32714	η UP, DN (C0-180)	0.8, 49.1
NOMINAL FLUX (lm)	32714	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.1, 49.0
LAMPS INSIDE	1	η up (%)	1.9	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	480	η down (%)	98.1	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: S  
 Test Date: 2020-4-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.9862]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

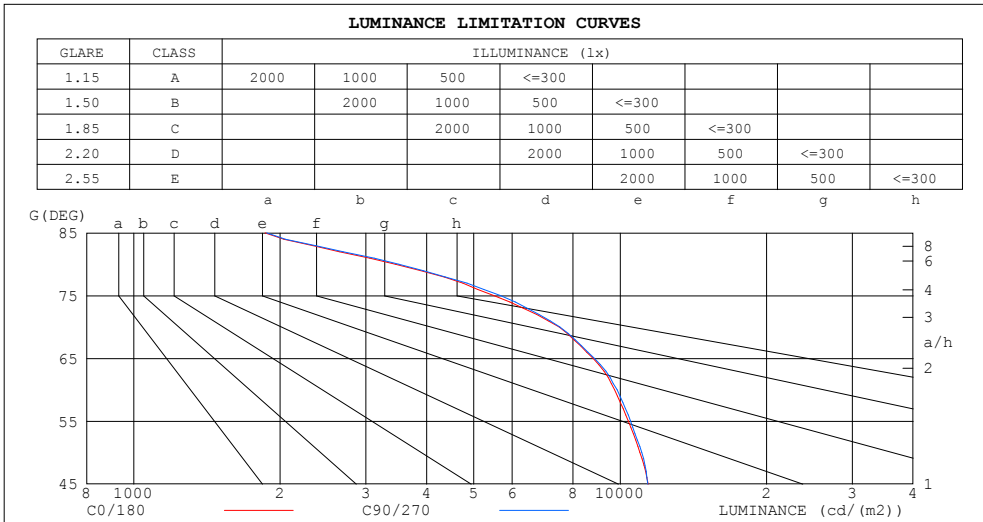
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1151	1141	1133	1129	1152	1140	1133	1128	0- 10	1092	1092	3.34,3.34
20	1102	1094	1086	1082	1104	1092	1085	1081	10- 20	3153	4245	13,13
30	1017	1012	1004	1000	1020	1008	1002	998.8	20- 30	4849	9094	27.8,27.8
40	888.1	887.6	882.9	880.3	892.9	882.3	880.4	877.9	30- 40	5938	15032	45.9,45.9
50	705.9	711.9	711.8	709.1	709.3	703.1	705.8	705.5	40- 50	6193	21224	64.9,64.9
60	487.2	493.8	492.5	495.4	495.0	488.2	492.2	490.2	50- 60	5364	26588	81.3,81.3
70	256.1	262.4	257.1	259.4	263.3	253.6	254.6	253.9	60- 70	3706	30294	92.6,92.6
80	59.94	63.25	60.89	60.66	64.60	58.13	58.65	58.73	70- 80	1582	31875	97.4,97.4
90	1.186	1.169	1.165	1.159	1.197	1.181	1.154	1.168	80- 90	228.8	32104	98.1,98.1
100	2.778	2.700	2.720	2.721	3.606	3.718	3.679	3.711	90-100	22.40	32127	98.2,98.2
110	5.635	5.502	5.520	5.442	7.429	7.524	7.469	7.519	100-110	50.32	32177	98.4,98.4
120	9.130	9.015	8.981	8.778	11.55	11.59	11.57	11.61	110-120	83.13	32260	98.6,98.6
130	11.09	11.02	10.95	10.96	15.22	15.26	15.19	15.17	120-130	106.3	32366	98.9,98.9
140	12.10	12.01	11.93	11.93	17.59	17.54	17.48	17.45	130-140	107.0	32473	99.3,99.3
150	12.80	12.69	12.67	12.68	19.12	18.98	18.92	18.86	140-150	95.30	32569	99.6,99.6
160	13.80	13.70	13.64	13.65	19.87	20.19	20.09	20.03	150-160	75.50	32644	99.8,99.8
170	15.45	15.34	15.00	15.04	20.36	21.60	21.40	21.42	160-170	49.53	32694	99.9,99.9
180	23.93	22.17	24.31	24.51	23.97	22.08	24.33	24.51	170-180	20.25	32714	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:480.20V I:0.5050A P:242.50W PF:0.9268 Freq:49.97Hz Lamp Flux:32714x1 lm		
NAME: ASD-UHB2HV-240D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1862	1876
80	3452	3507
75	5502	5675
70	7489	7517
65	8800	8850
60	9743	9850
55	10395	10510
50	10981	11073
45	11411	11399

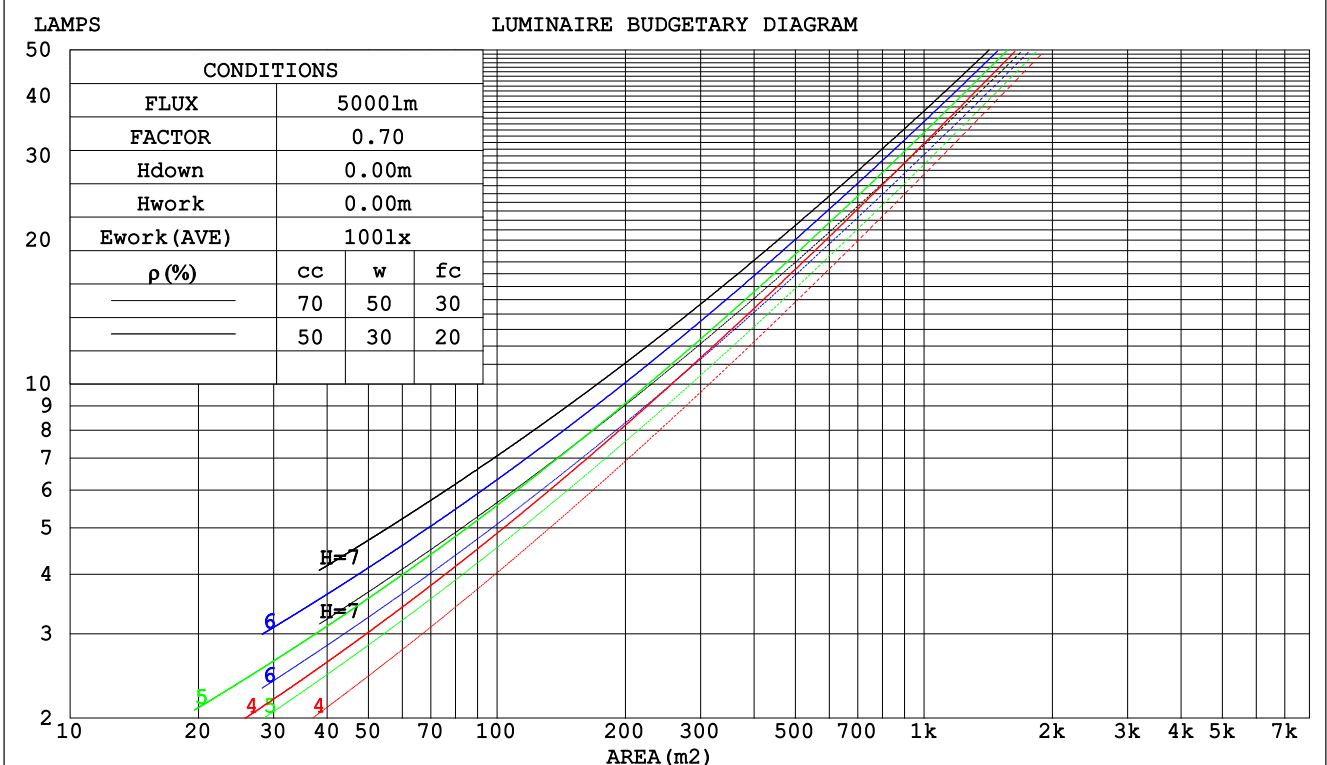
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:480.20V I:0.5050A P:242.50W PF:0.9268 Freq:49.97Hz Lamp Flux:32714x1 lm		
NAME: ASD-UHB2HV-240D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw	0															
pfc	0															
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.05	1.01	.97	1.02	.99	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.82	.78	.75	.79	.76	.73	.70
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.73	.68	.63	.70	.66	.62	.60
4.0	.72	.63	.57	.70	.62	.56	.67	.61	.55	.65	.59	.54	.63	.57	.53	.51
5.0	.64	.55	.49	.63	.55	.48	.60	.53	.48	.58	.52	.47	.56	.51	.46	.44
6.0	.58	.49	.43	.57	.48	.42	.55	.47	.42	.53	.46	.41	.51	.45	.41	.39
7.0	.52	.44	.38	.51	.43	.37	.50	.42	.37	.48	.41	.37	.47	.41	.36	.34
8.0	.48	.39	.33	.47	.39	.33	.45	.38	.33	.44	.37	.33	.43	.37	.32	.30
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.37	.31	.27	.36	.31	.26	.25



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks:

WEC AND CCEC

Test:U:480.20V I:0.5050A P:242.50W PF:0.9268 Freq:49.97Hz Lamp Flux:32714x1 lm															
NAME: ASD-UHB2HV-240D50-PRM										TYPE:					
MFR.: ASD LIGHTING CORP															

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.285	.162	.051	.278	.158	.050	.264	.151	.048	.250	.144	.046	.238	.138	.045	
2.0	.275	.151	.046	.268	.148	.046	.256	.142	.044	.244	.137	.043	.234	.132	.042	
3.0	.258	.137	.041	.252	.135	.041	.241	.131	.040	.231	.126	.039	.221	.122	.038	
4.0	.240	.125	.037	.235	.123	.036	.225	.119	.036	.216	.116	.035	.207	.113	.034	
5.0	.224	.114	.033	.219	.112	.033	.210	.109	.032	.202	.107	.032	.194	.104	.031	
6.0	.208	.104	.030	.204	.103	.030	.196	.101	.029	.189	.098	.029	.182	.096	.028	
7.0	.195	.096	.027	.191	.095	.027	.184	.093	.027	.177	.091	.026	.171	.089	.026	
8.0	.182	.089	.025	.179	.088	.025	.173	.086	.025	.167	.084	.024	.161	.083	.024	
9.0	.171	.083	.023	.168	.082	.023	.162	.080	.023	.157	.079	.023	.152	.077	.022	
10.0	.161	.077	.021	.159	.077	.021	.153	.075	.021	.148	.074	.021	.144	.072	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.205	.205	.205	.175	.175	.175	.119	.119	.119	.069	.069	.069	.022	.022	.022	
1.0	.193	.171	.151	.165	.146	.130	.113	.101	.090	.065	.058	.052	.021	.019	.017	
2.0	.184	.146	.114	.158	.126	.099	.108	.087	.069	.062	.051	.040	.020	.016	.013	
3.0	.177	.129	.090	.151	.111	.078	.104	.077	.055	.060	.045	.032	.019	.015	.011	
4.0	.169	.115	.074	.145	.100	.064	.100	.069	.045	.058	.041	.027	.019	.013	.009	
5.0	.162	.105	.063	.139	.091	.055	.096	.063	.039	.056	.037	.023	.018	.012	.008	
6.0	.155	.097	.055	.133	.084	.047	.092	.059	.034	.053	.034	.020	.017	.011	.007	
7.0	.149	.090	.048	.128	.078	.042	.088	.055	.030	.051	.032	.018	.017	.011	.006	
8.0	.142	.084	.044	.123	.073	.038	.085	.051	.027	.049	.030	.016	.016	.010	.005	
9.0	.136	.079	.040	.118	.069	.035	.081	.048	.025	.047	.028	.015	.015	.009	.005	
10.0	.131	.075	.037	.113	.065	.033	.078	.046	.023	.046	.027	.014	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:480.20V I:0.5050A P:242.50W PF:0.9268 Freq:49.97Hz Lamp Flux:32714x1 lm										
NAME: ASD-UHB2HV-240D50-PRM					TYPE:					
MFR.: ASD LIGHTING CORP										
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	8.9	10.3	9.2	10.6	10.8	8.9	10.4	9.2	10.6	10.8
3H	10.0	11.3	10.3	11.6	11.9	10.0	11.4	10.4	11.6	11.9
4H	10.3	11.6	10.6	11.8	12.1	10.3	11.6	10.7	11.9	12.2
6H	10.4	11.6	10.7	11.9	12.2	10.4	11.6	10.8	11.9	12.2
8H	10.4	11.5	10.7	11.8	12.2	10.4	11.6	10.8	11.9	12.2
12H	10.3	11.4	10.7	11.8	12.1	10.4	11.5	10.8	11.8	12.1
4H 2H	9.4	10.6	9.7	10.9	11.2	9.4	10.7	9.7	11.0	11.3
3H	10.6	11.8	11.0	12.1	12.4	10.7	11.8	11.1	12.1	12.4
4H	11.0	12.0	11.4	12.4	12.7	11.1	12.1	11.5	12.4	12.8
6H	11.2	12.1	11.6	12.4	12.8	11.2	12.1	11.6	12.5	12.9
8H	11.2	12.0	11.6	12.4	12.8	11.2	12.0	11.7	12.4	12.9
12H	11.2	11.9	11.6	12.3	12.8	11.2	11.9	11.6	12.4	12.8
8H 4H	11.1	11.9	11.6	12.3	12.8	11.1	12.0	11.6	12.4	12.8
6H	11.3	12.0	11.8	12.4	12.9	11.4	12.0	11.8	12.5	12.9
8H	11.4	12.0	11.8	12.4	12.9	11.4	12.0	11.9	12.4	12.9
12H	11.4	11.9	11.9	12.3	12.9	11.4	11.9	11.9	12.4	12.9
12H 4H	11.1	11.8	11.5	12.3	12.7	11.1	11.9	11.6	12.3	12.7
6H	11.3	11.9	11.8	12.4	12.9	11.3	11.9	11.8	12.4	12.9
8H	11.4	11.9	11.9	12.3	12.9	11.4	11.9	11.9	12.4	12.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.2 / - 0.5					+ 0.2 / - 0.5				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117, 32714 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 12.1)  
 Area: 1 m2

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:480.20V I:0.5050A P:242.50W PF:0.9268 Freq:49.97Hz Lamp Flux:32714x1 lm		
NAME: ASD-UHB2HV-240D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

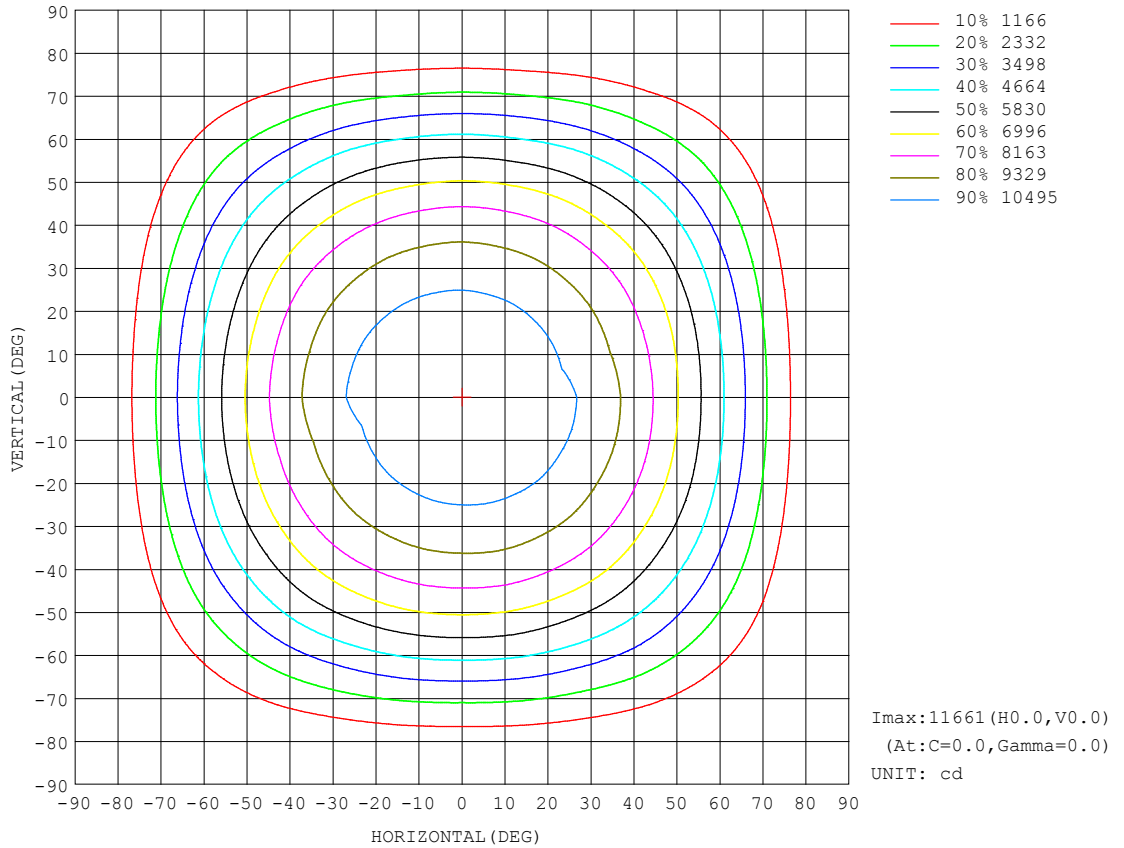
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	68	57	50	67	56	50	65	56	49	42
1.00	77	66	59	76	66	59	73	67	58	51
1.25	84	74	67	83	73	67	80	72	66	58
1.50	89	80	73	87	79	72	84	77	71	64
2.00	96	88	82	94	86	81	90	84	79	71
2.50	100	92	87	98	91	86	93	88	83	75
3.00	103	96	91	101	95	90	96	92	88	79
4.00	107	101	97	104	100	96	100	96	93	83
5.00	109	105	101	106	102	99	102	99	96	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:480.20V I:0.5050A P:242.50W PF:0.9268 Freq:49.97Hz Lamp Flux:32714x1 lm		
NAME: ASD-UHB2HV-240D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



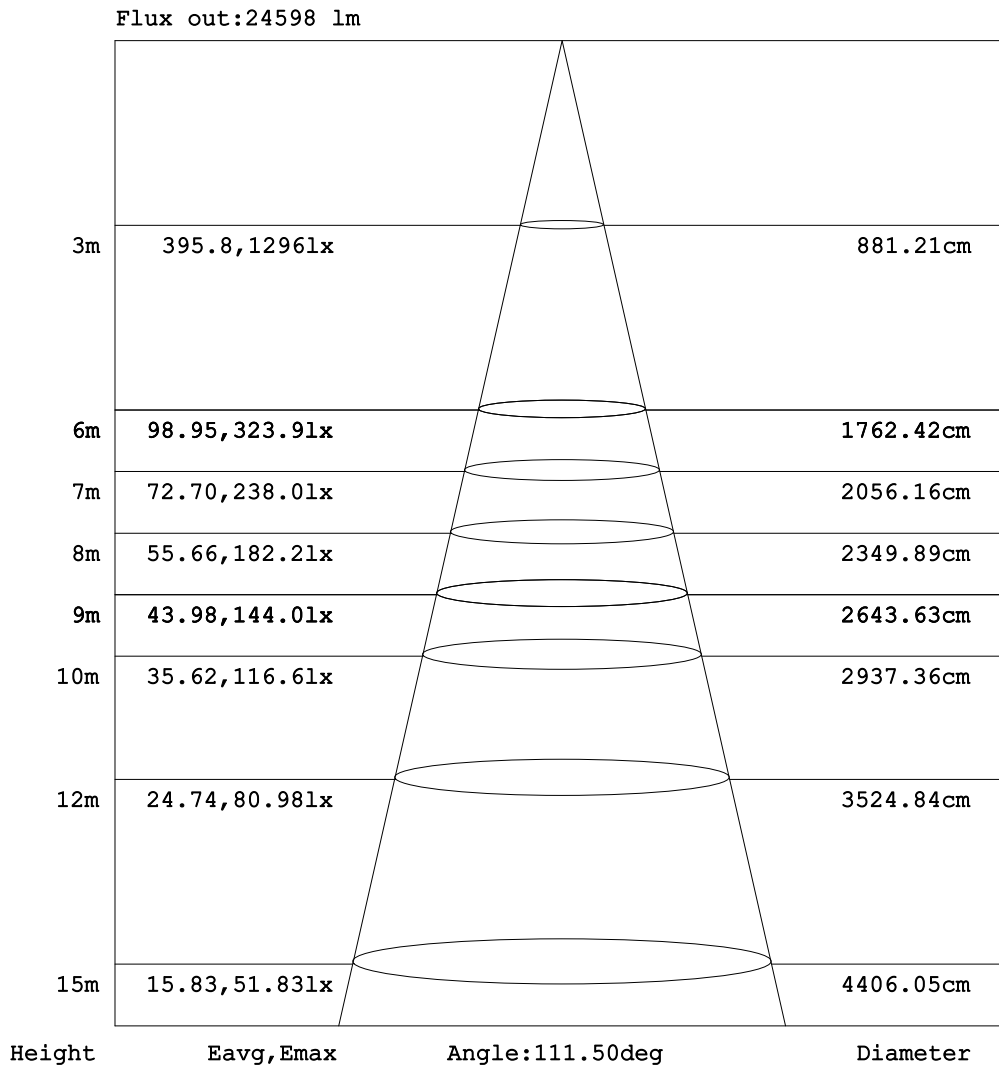
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks:



**AAI Figure**

Test:U:480.20V I:0.5050A P:242.50W PF:0.9268 Freq:49.97Hz Lamp Flux:32714x1 lm		
NAME: ASD-UHB2HV-240D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



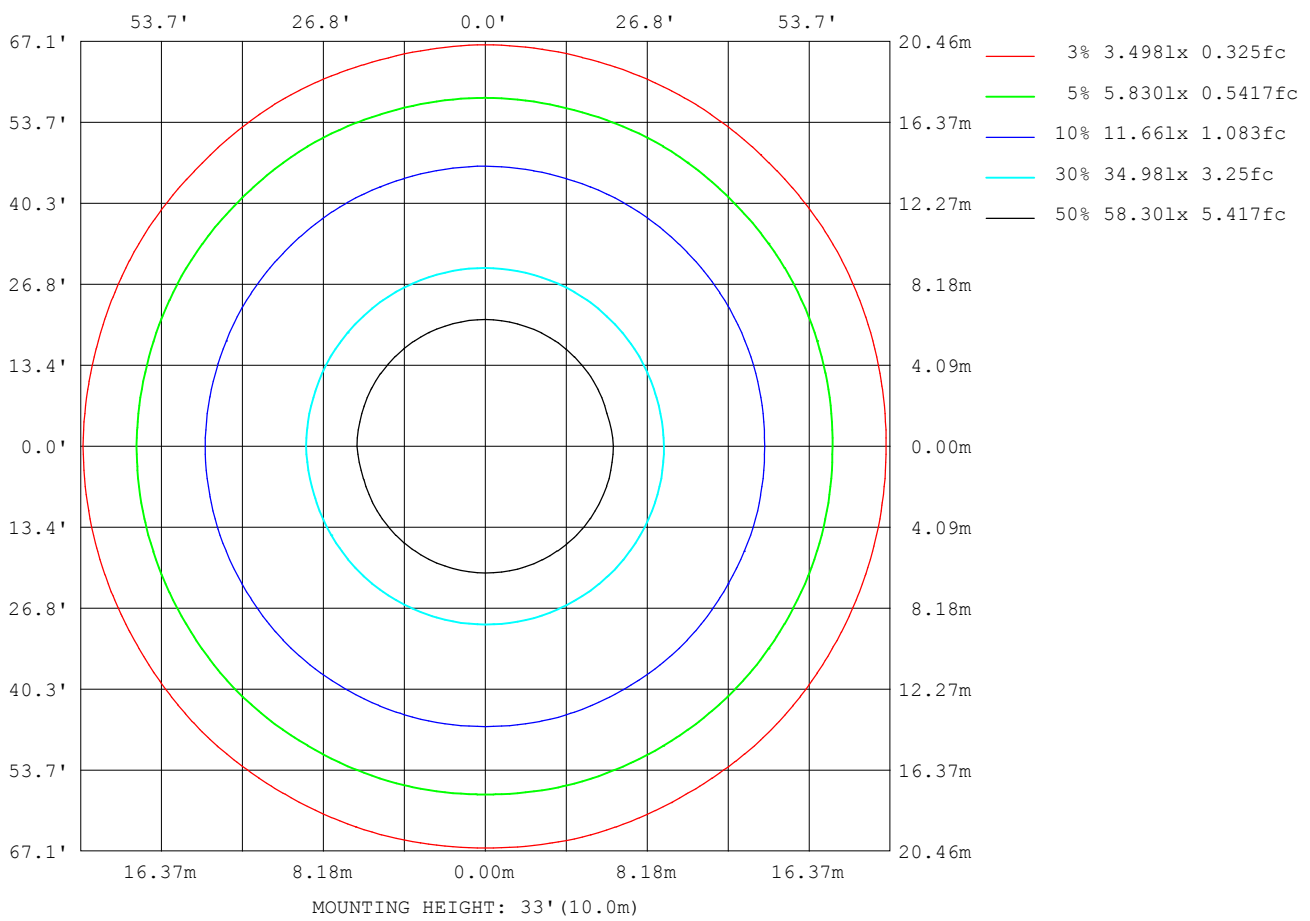
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:480.20V I:0.5050A P:242.50W PF:0.9268 Freq:49.97Hz Lamp Flux:32714x1 lm		
NAME: ASD-UHB2HV-240D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks:

**LED Avg.L Report**

Test:U:480.20V I:0.5050A P:242.50W PF:0.9268 Freq:49.97Hz Lamp Flux:32714x1 lm		
NAME: ASD-UHB2HV-240D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

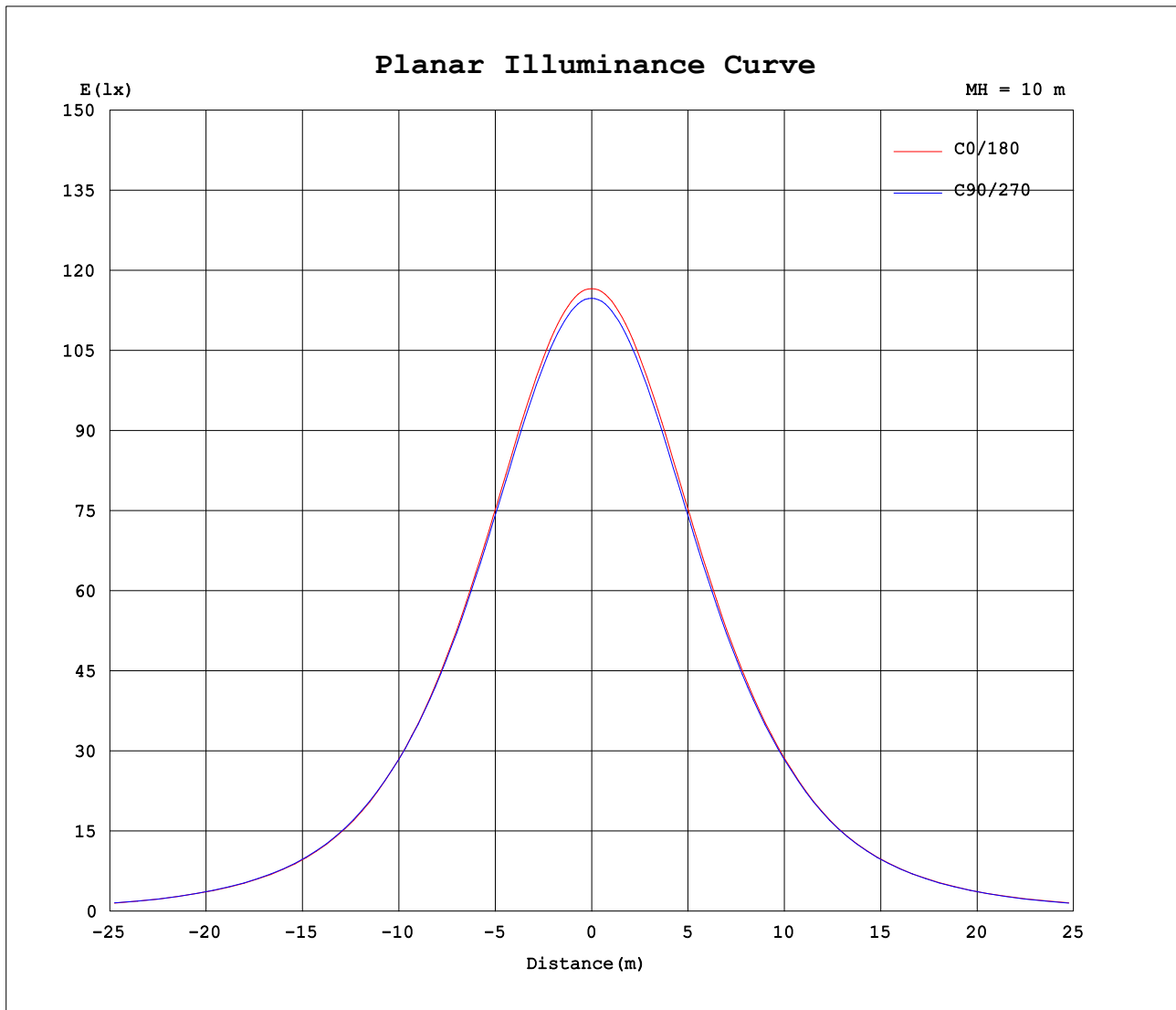
AvgL	cd/m2
L_0~180 (65) av	8869
L_0~180 (75) av	5654
L_0~180 (85) av	1964
L_90~270 (65) av	8836
L_90~270 (75) av	5632
L_90~270 (85) av	1781
L_45 (65) av	8860
L_45 (75) av	5635
L_45 (85) av	1806

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:480.20V I:0.5050A P:242.50W PF:0.9268 Freq:49.97Hz Lamp Flux:32714x1 lm		
NAME: ASD-UHB2HV-240D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1166	1162	1159	1155	1152	1150	1148	1146	1144	1143	1142	1140	1166	1162	1159	1155	1152	1150	1148
5	1163	1159	1155	1152	1149	1147	1145	1143	1141	1140	1138	1137	1163	1159	1155	1152	1149	1146	1144
10	1151	1148	1144	1141	1138	1136	1133	1132	1130	1129	1127	1126	1152	1147	1144	1140	1137	1134	1133
15	1131	1128	1124	1121	1118	1116	1114	1112	1110	1109	1107	1107	1132	1127	1124	1120	1117	1115	1113
20	1102	1100	1096	1094	1090	1089	1086	1084	1083	1082	1080	1079	1104	1099	1096	1092	1089	1086	1085
25	1065	1063	1059	1058	1054	1052	1050	1048	1046	1046	1044	1043	1067	1062	1059	1055	1052	1049	1048
30	1017	1016	1013	1012	1009	1008	1004	1003	1001	1000	998	998	1020	1015	1012	1008	1006	1003	1002
35	958	958	955	955	953	952	948	948	945	946	943	943	962	956	955	950	949	946	946
40	888	889	887	888	886	886	883	882	880	880	878	879	893	887	887	882	882	879	880
45	807	809	807	809	807	809	806	806	804	805	802	804	812	807	807	803	804	803	805
50	706	709	707	712	710	714	712	713	709	709	704	706	709	705	707	703	705	702	706
55	596	601	597	602	600	606	603	604	602	604	598	600	602	598	599	597	600	598	600
60	487	491	492	494	494	496	493	494	492	495	491	493	495	490	491	488	492	490	492
65	372	373	376	381	375	378	374	376	374	376	372	375	378	373	375	370	375	369	373
70	256	260	259	262	257	262	257	261	259	259	255	257	263	258	259	254	257	251	255
75	142	148	147	150	146	150	147	149	146	148	144	146	150	145	147	143	144	141	145
80	59.9	62.5	60.8	63.2	60.9	63.2	60.9	62.6	59.8	60.7	58.3	59.1	64.6	61.6	61.0	58.1	59.3	57.1	58.6
85	16.2	17.2	16.8	17.5	16.7	17.2	16.4	16.7	15.7	16.0	14.9	15.0	18.0	16.6	16.5	15.1	15.2	14.3	14.7
90	1.19	1.15	1.17	1.17	1.16	1.19	1.16	1.18	1.16	1.16	1.16	1.14	1.20	1.18	1.15	1.18	1.15	1.18	1.15
95	1.85	1.81	1.81	1.78	1.79	1.77	1.79	1.77	1.80	1.79	1.82	1.81	2.13	2.19	2.18	2.22	2.20	2.23	2.20
100	2.78	2.74	2.74	2.70	2.72	2.69	2.72	2.70	2.73	2.72	2.76	2.75	3.61	3.67	3.64	3.72	3.68	3.72	3.68
105	4.05	4.00	4.00	3.94	3.95	3.92	3.96	3.91	3.94	3.93	3.98	3.98	5.42	5.50	5.44	5.52	5.49	5.52	5.47
110	5.64	5.55	5.57	5.50	5.52	5.48	5.52	5.44	5.45	5.44	5.51	5.51	7.43	7.52	7.43	7.52	7.48	7.54	7.47
115	7.45	7.38	7.39	7.31	7.34	7.28	7.33	7.19	7.21	7.20	7.28	7.28	9.47	9.56	9.49	9.54	9.47	9.52	9.45
120	9.13	9.08	9.07	9.02	9.00	8.96	8.98	8.83	8.75	8.78	8.84	8.88	11.5	11.6	11.6	11.6	11.6	11.6	11.6
125	10.6	10.6	10.6	10.5	10.5	10.5	10.5	10.3	10.3	10.3	10.4	10.4	13.5	13.6	13.5	13.5	13.5	13.6	13.5
130	11.1	11.1	11.0	11.0	11.0	11.0	11.0	10.9	10.9	11.0	11.0	11.0	15.2	15.3	15.2	15.3	15.2	15.2	15.2
135	11.3	11.2	11.2	11.2	11.2	11.1	11.1	11.1	11.1	11.1	11.1	11.1	16.5	16.5	16.5	16.5	16.4	16.5	16.4
140	12.1	12.1	12.0	12.0	12.0	11.9	11.9	11.9	11.9	11.9	11.9	11.9	17.6	17.6	17.5	17.5	17.5	17.5	17.5
145	12.2	12.2	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	18.2	18.2	18.1	18.1	18.1	18.1	18.1
150	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	19.1	19.1	19.0	19.0	18.9	18.9	18.9
155	13.4	13.3	13.3	13.3	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	19.5	19.6	19.6	19.5	19.4	19.4	19.4
160	13.8	13.8	13.7	13.7	13.7	13.7	13.6	13.6	13.6	13.6	13.6	13.6	19.9	20.0	20.3	20.2	20.1	20.1	20.1
165	14.8	14.8	14.7	14.7	14.6	14.6	14.5	14.4	14.4	14.4	14.4	14.4	20.3	19.9	20.9	20.8	20.7	20.7	20.6
170	15.4	15.4	15.4	15.3	15.2	15.2	15.0	15.0	15.0	15.0	15.0	15.0	20.4	19.7	21.0	21.6	21.5	21.4	21.4
175	24.3	24.4	24.2	22.4	21.8	23.1	23.7	23.8	23.8	23.8	23.8	23.8	22.0	22.2	21.0	22.8	23.2	23.3	23.2
180	23.9	24.8	23.2	22.2	23.5	24.2	24.3	24.4	24.5	24.5	24.5	24.5	24.0	24.6	23.4	22.1	23.4	24.2	24.3

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:480.20V I:0.5050A P:242.50W PF:0.9268 Freq:49.97Hz Lamp Flux:32714x1 lm		
NAME: ASD-UHB2HV-240D50-PRM	TYPE:	
MFR.: ASD LIGHTING CORP		

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1146	1144	1143	1142	1140														
5	1142	1141	1139	1138	1137														
10	1131	1130	1128	1127	1126														
15	1111	1110	1109	1108	1106														
20	1083	1082	1081	1080	1078														
25	1046	1046	1044	1044	1042														
30	1000	1000	999	999	997														
35	944	944	943	944	942														
40	878	879	878	880	879														
45	803	805	803	805	804														
50	704	707	706	711	711														
55	597	600	600	603	601														
60	488	494	490	493	492														
65	371	373	371	376	374														
70	253	257	254	259	257														
75	143	146	143	146	146														
80	57.1	59.5	58.7	60.9	59.5														
85	14.1	14.8	14.4	15.3	14.8														
90	1.18	1.15	1.17	1.13	1.15														
95	2.22	2.19	2.21	2.16	2.19														
100	3.72	3.68	3.71	3.64	3.67														
105	5.51	5.46	5.51	5.45	5.47														
110	7.52	7.45	7.52	7.45	7.51														
115	9.50	9.43	9.51	9.44	9.49														
120	11.6	11.6	11.6	11.5	11.6														
125	13.6	13.5	13.6	13.5	13.5														
130	15.2	15.1	15.2	15.1	15.2														
135	16.5	16.4	16.4	16.4	16.4														
140	17.5	17.5	17.4	17.4	17.4														
145	18.0	18.0	18.0	18.0	18.0														
150	18.9	18.9	18.9	18.8	18.8														
155	19.4	19.4	19.4	19.3	19.4														
160	20.1	20.0	20.0	20.0	20.0														
165	20.7	20.6	20.6	20.6	20.6														
170	21.5	21.5	21.4	21.4	21.4														
175	23.4	23.4	23.4	23.3	23.4														
180	24.5	24.5	24.5	24.5	24.5														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.7  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.9862]  
 Remarks: