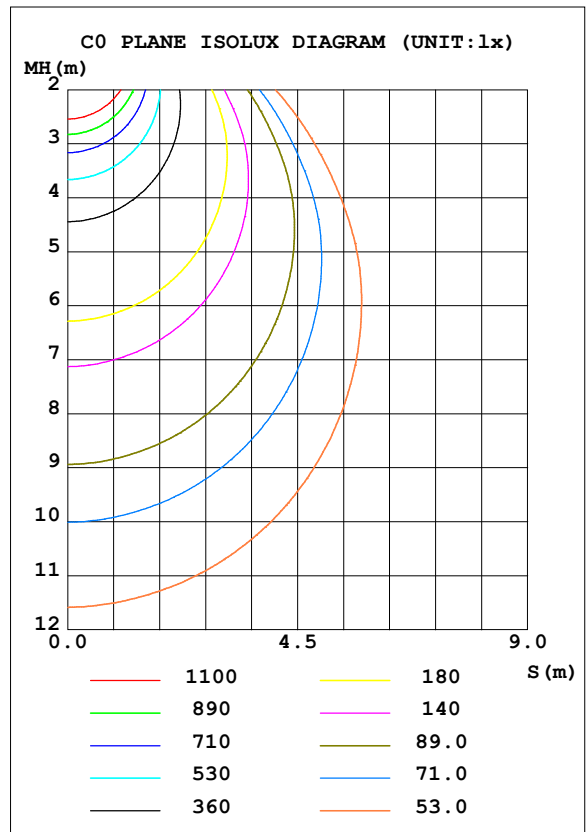
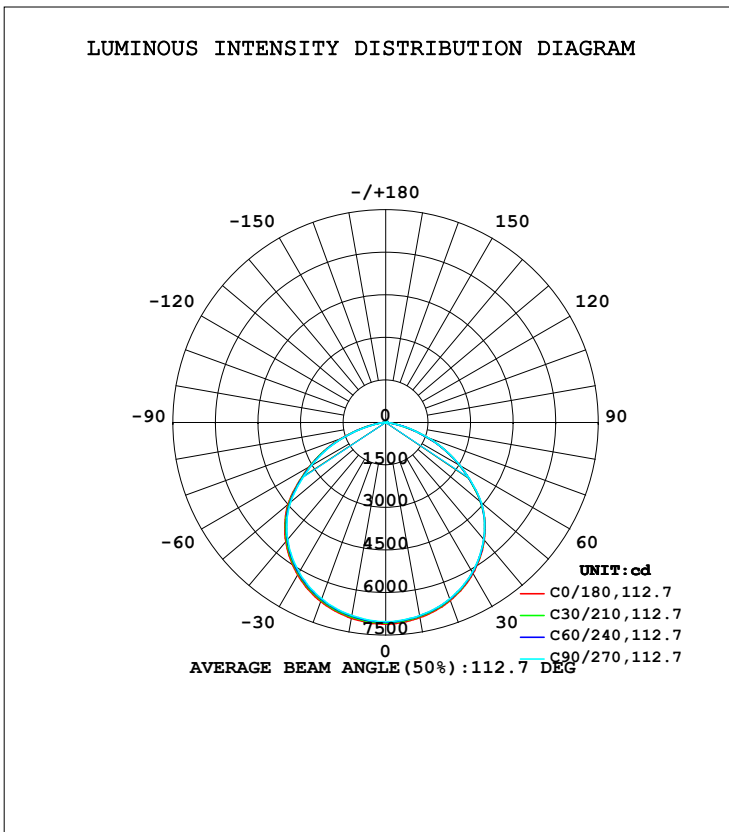


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:481.20V I:0.8619A P:150.75W PF:0.9717 Freq:50.03Hz Lamp Flux:19874.6x1 lm		
NAME: ASD-UHB2HV-150D50-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.84 lm/W			
MODEL ASD-UHB2HV-150D50-PRM		I <sub>max</sub> (cd)	7113	S/MH (C0/180)	1.30
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	480	TOTAL FLUX (lm)	19875	η UP, DN (C0-180)	0.5, 49.5
NOMINAL FLUX (lm)	19874.6	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 49.5
LAMPS INSIDE	1	η up (%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	480	η down (%)	99.0	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=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

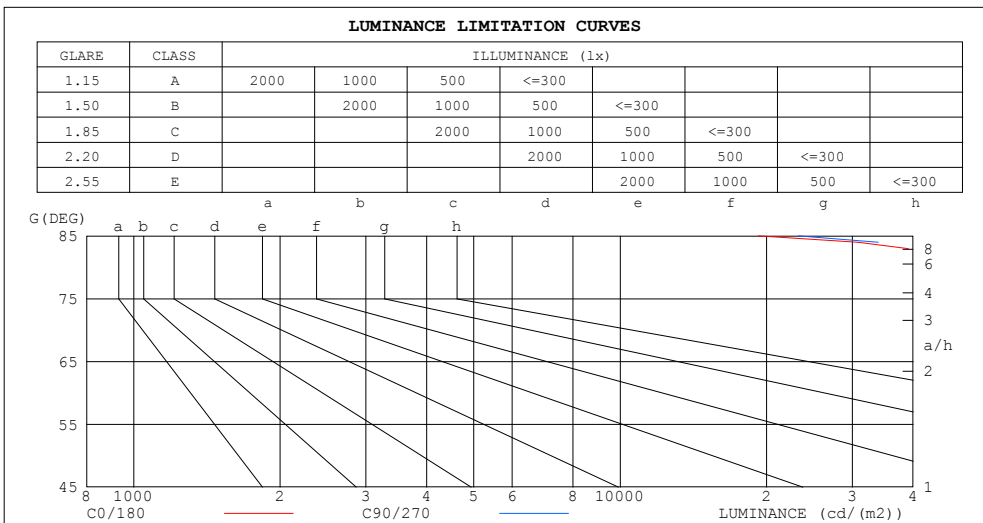
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	6984	6937	6912	6904	7010	6949	6913	6889	0- 10	666.3	666.3	3.35,3.35
20	6676	6638	6614	6619	6717	6649	6613	6581	10- 20	1922	2588	13,13
30	6151	6126	6106	6122	6210	6142	6104	6073	20- 30	2952	5540	27.9,27.9
40	5417	5399	5384	5404	5488	5410	5380	5341	30- 40	3619	9159	46.1,46.1
50	4380	4395	4403	4437	4504	4421	4386	4320	40- 50	3805	12965	65.2,65.2
60	3005	3009	3013	3058	3108	3038	3014	2971	50- 60	3320	16284	81.9,81.9
70	1546	1593	1598	1653	1673	1613	1601	1540	60- 70	2300	18584	93.5,93.5
80	311.7	348.5	341.5	371.7	384.3	359.6	345.7	320.0	70- 80	980.9	19565	98.4,98.4
90	5.794	5.570	5.561	5.399	6.445	6.300	6.234	6.420	80- 90	107.3	19672	99,99
100	12.37	12.00	11.88	11.57	12.85	12.99	13.00	13.28	90-100	9.714	19682	99,99
110	21.55	21.05	20.88	20.51	22.21	22.34	22.33	22.63	100-110	17.86	19700	99.1,99.1
120	31.38	30.83	30.61	30.23	32.22	32.24	32.20	32.43	110-120	26.33	19726	99.3,99.3
130	40.26	39.70	39.48	39.14	41.28	41.16	41.01	41.23	120-130	32.22	19758	99.4,99.4
140	47.65	47.09	47.00	46.67	49.07	48.62	48.46	48.60	130-140	34.16	19793	99.6,99.6
150	53.80	53.31	53.19	52.86	55.27	54.89	54.56	54.53	140-150	31.93	19824	99.7,99.7
160	59.74	59.51	59.16	58.99	60.92	60.45	60.00	59.87	150-160	26.26	19851	99.9,99.9
170	64.98	64.77	64.43	64.28	65.73	65.13	64.69	64.41	160-170	17.58	19868	100,100
180	68.44	68.22	67.74	67.38	68.65	68.10	67.80	67.39	170-180	6.303	19875	100,100
DEG	LUMINOUS INTENSITY:cd									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=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:481.20V I:0.8619A P:150.75W PF:0.9717 Freq:50.03Hz Lamp Flux:19874.6x1 lm		
NAME: ASD-UHB2HV-150D50-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	19233	23223
80	70660	77433
75	133084	138613
70	178003	183894
65	214116	216598
60	236653	237278
55	252796	254933
50	268263	269703
45	275788	274615

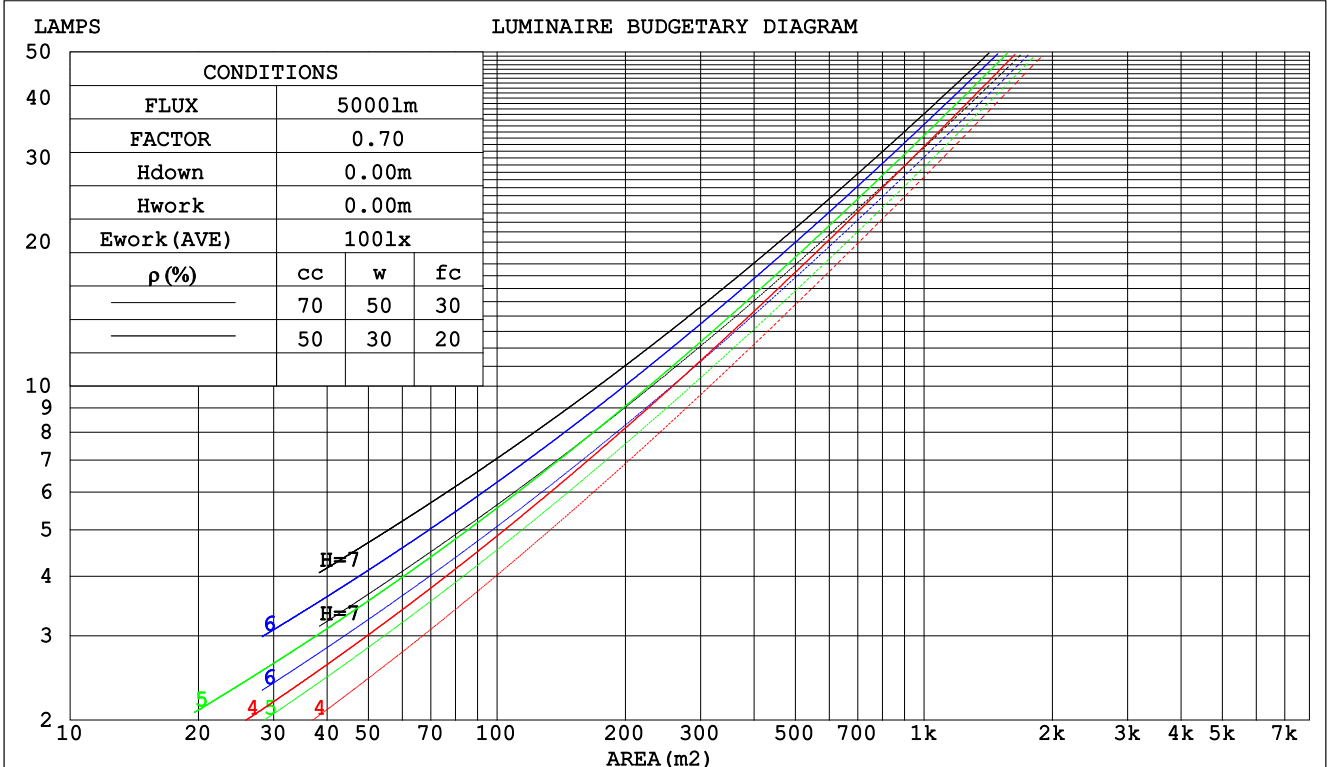
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

$\gamma$  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=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:481.20V I:0.8619A P:150.75W PF:0.9717 Freq:50.03Hz Lamp Flux:19874.6x1 lm		
NAME: ASD-UHB2HV-150D50-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		

pcc	80%			70%			50%			30%			10%			0
	pw	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															
	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	1.01	1.01	1.01	.99
1.0	1.05	1.01	.97	1.03	.99	.96	.98	.95	.93	.94	.92	.90	.90	.88	.87	.85
2.0	.92	.85	.80	.90	.84	.79	.86	.81	.77	.83	.79	.75	.80	.76	.73	.71
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.73	.68	.64	.71	.66	.62	.60
4.0	.72	.63	.57	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.51
5.0	.64	.55	.49	.63	.55	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.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	.42	.37	.47	.41	.36	.34
8.0	.48	.39	.33	.47	.39	.33	.45	.38	.33	.44	.38	.33	.43	.37	.32	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.29	.40	.34	.29	.27
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.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=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:481.20V I:0.8619A P:150.75W PF:0.9717 Freq:50.03Hz Lamp Flux:19874.6x1 lm		
NAME: ASD-UHB2HV-150D50-PRM	TYPE:0	
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	.277	.158	.050	.264	.151	.048	.251	.145	.046	.239	.139	.045	
2.0	.275	.151	.046	.269	.148	.046	.257	.143	.044	.246	.138	.043	.235	.133	.042	
3.0	.259	.138	.041	.253	.135	.041	.242	.131	.040	.232	.127	.039	.223	.124	.038	
4.0	.241	.125	.037	.236	.123	.036	.226	.120	.036	.218	.117	.035	.209	.114	.035	
5.0	.224	.114	.033	.220	.113	.033	.211	.110	.032	.203	.107	.032	.196	.105	.031	
6.0	.209	.105	.030	.205	.104	.030	.197	.101	.029	.190	.099	.029	.184	.097	.029	
7.0	.195	.097	.027	.192	.095	.027	.185	.093	.027	.178	.092	.027	.173	.090	.026	
8.0	.183	.089	.025	.180	.088	.025	.174	.087	.025	.168	.085	.025	.162	.083	.024	
9.0	.172	.083	.023	.169	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.022	
10.0	.162	.078	.022	.159	.077	.021	.154	.076	.021	.149	.074	.021	.145	.073	.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	.198	.198	.198	.169	.169	.169	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.186	.164	.144	.159	.141	.124	.109	.097	.086	.063	.056	.050	.020	.018	.016	
2.0	.178	.140	.108	.152	.120	.093	.104	.083	.065	.060	.048	.038	.019	.016	.012	
3.0	.170	.122	.084	.146	.105	.073	.100	.073	.051	.058	.043	.030	.019	.014	.010	
4.0	.163	.109	.067	.140	.094	.059	.096	.065	.041	.056	.038	.024	.018	.012	.008	
5.0	.156	.098	.056	.134	.085	.049	.092	.059	.034	.053	.035	.020	.017	.011	.007	
6.0	.149	.090	.048	.128	.078	.042	.088	.055	.029	.051	.032	.018	.017	.010	.006	
7.0	.142	.083	.042	.122	.072	.036	.084	.050	.026	.049	.030	.015	.016	.010	.005	
8.0	.136	.077	.037	.117	.067	.032	.081	.047	.023	.047	.028	.014	.015	.009	.005	
9.0	.130	.072	.034	.112	.063	.029	.078	.044	.021	.045	.026	.012	.015	.009	.004	
10.0	.124	.068	.031	.107	.059	.027	.074	.042	.019	.043	.025	.011	.014	.008	.004	

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=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:481.20V I:0.8619A P:150.75W PF:0.9717 Freq:50.03Hz Lamp Flux:19874.6x1 lm										
NAME: ASD-UHB2HV-150D50-PRM					TYPE:0					
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	21.7	23.2	22.0	23.4	23.6	21.8	23.2	22.0	23.4	23.7
3H	22.8	24.2	23.2	24.4	24.7	22.9	24.3	23.2	24.5	24.8
4H	23.1	24.4	23.5	24.7	25.0	23.2	24.5	23.5	24.8	25.0
6H	23.2	24.4	23.5	24.7	25.0	23.3	24.5	23.6	24.8	25.1
8H	23.2	24.3	23.5	24.6	24.9	23.3	24.4	23.6	24.7	25.0
12H	23.1	24.2	23.5	24.5	24.9	23.2	24.3	23.6	24.6	25.0
4H 2H	22.2	23.5	22.6	23.8	24.1	22.3	23.5	22.6	23.8	24.1
3H	23.5	24.6	23.8	24.9	25.2	23.5	24.7	23.9	25.0	25.3
4H	23.8	24.9	24.2	25.2	25.6	23.9	24.9	24.3	25.3	25.6
6H	24.0	24.9	24.4	25.2	25.6	24.1	25.0	24.5	25.3	25.7
8H	23.9	24.8	24.4	25.2	25.6	24.0	24.9	24.5	25.3	25.7
12H	23.9	24.7	24.3	25.1	25.5	24.0	24.8	24.5	25.2	25.6
8H 4H	23.9	24.8	24.4	25.2	25.6	24.0	24.8	24.4	25.2	25.6
6H	24.1	24.8	24.6	25.2	25.6	24.2	24.9	24.7	25.3	25.7
8H	24.1	24.7	24.6	25.1	25.6	24.2	24.8	24.7	25.2	25.7
12H	24.1	24.6	24.6	25.0	25.5	24.2	24.7	24.7	25.2	25.7
12H 4H	23.9	24.7	24.3	25.1	25.5	24.0	24.7	24.4	25.1	25.6
6H	24.1	24.7	24.5	25.1	25.6	24.2	24.8	24.6	25.2	25.7
8H	24.1	24.6	24.6	25.1	25.6	24.2	24.7	24.7	25.2	25.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.2 / - 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, 19875 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.4)  
 Area: 0.0254 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=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:481.20V I:0.8619A P:150.75W PF:0.9717 Freq:50.03Hz Lamp Flux:19874.6x1 lm		
NAME: ASD-UHB2HV-150D50-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		

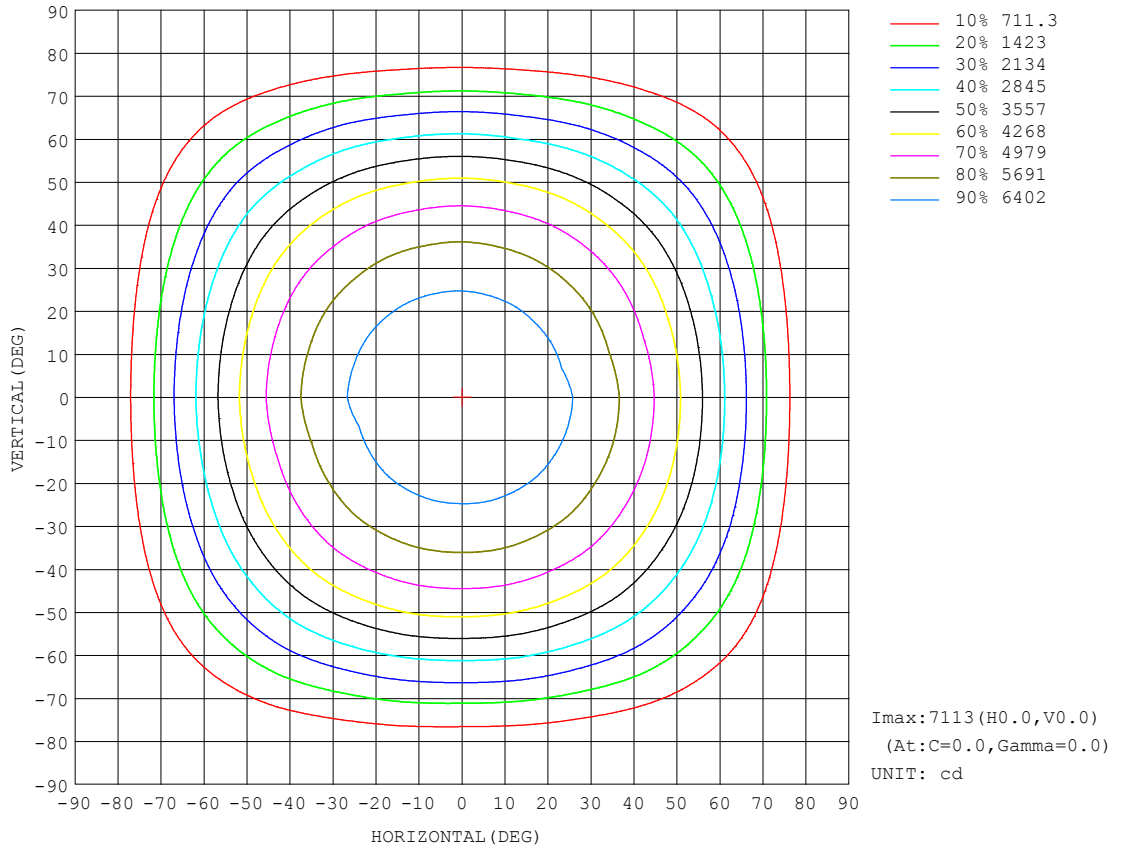
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	68	57	50	67	57	50	65	56	49	42
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	88	79	73	85	77	71	64
2.00	96	88	82	94	87	81	91	84	79	72
2.50	100	93	87	98	91	86	94	88	84	76
3.00	103	97	92	101	95	90	97	92	88	80
4.00	107	102	97	105	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
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=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:481.20V I:0.8619A P:150.75W PF:0.9717 Freq:50.03Hz Lamp Flux:19874.6x1 lm		
NAME: ASD-UHB2HV-150D50-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		



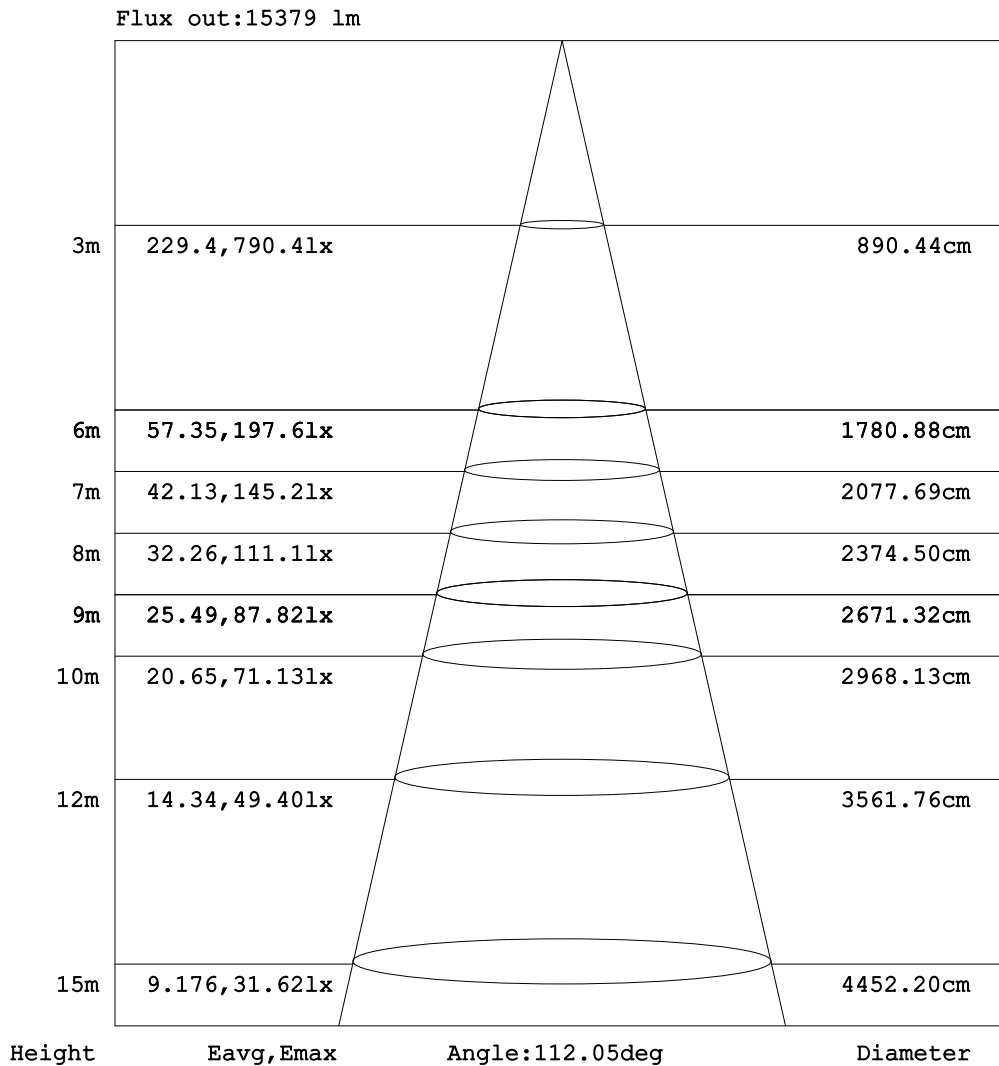
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:S  
 Test Date:2020-4-28

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=1.0000]  
 Remarks:



**AAI Figure**

Test:U:481.20V I:0.8619A P:150.75W PF:0.9717 Freq:50.03Hz Lamp Flux:19874.6x1 lm		
NAME: ASD-UHB2HV-150D50-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		



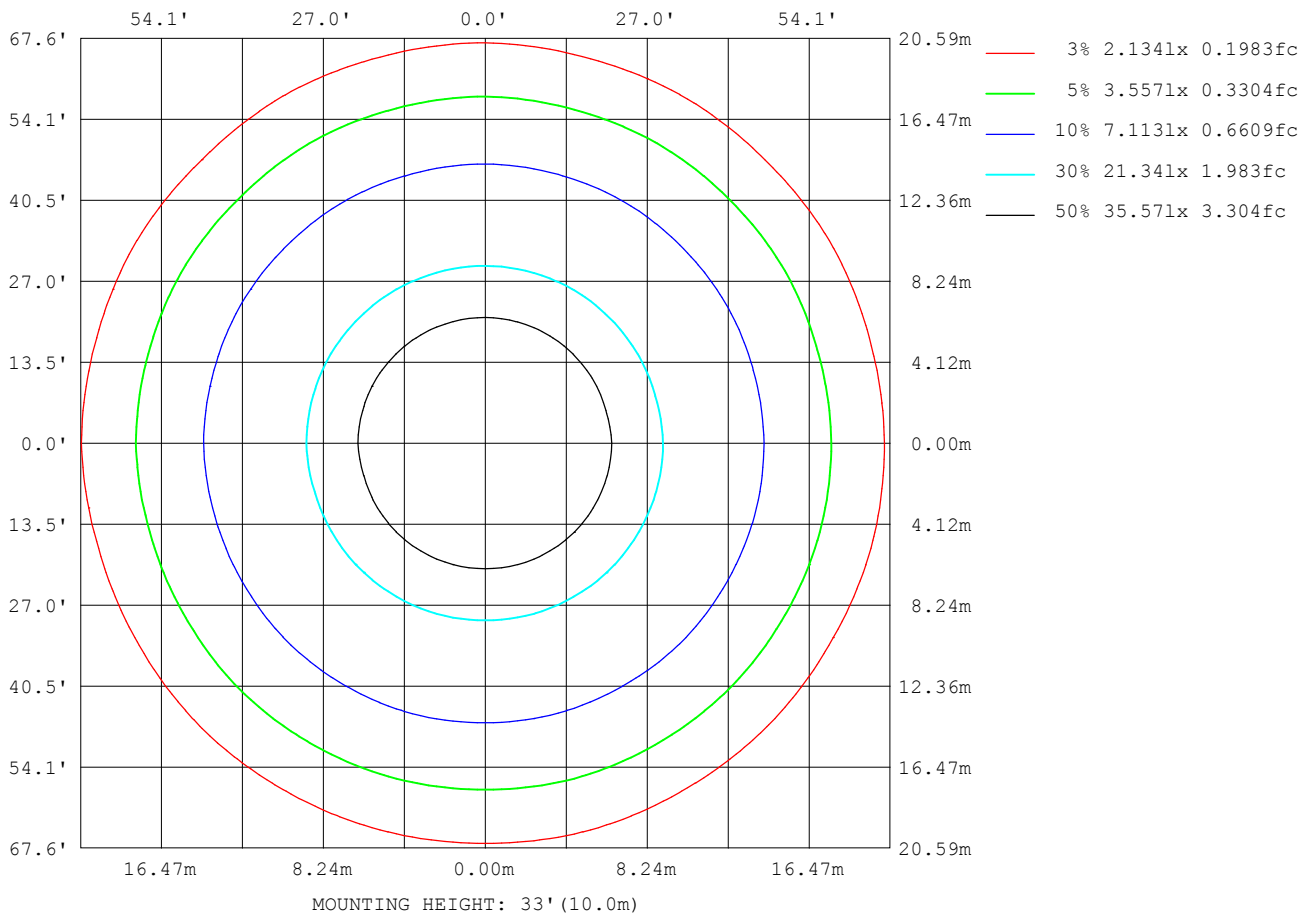
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:481.20V I:0.8619A P:150.75W PF:0.9717 Freq:50.03Hz Lamp Flux:19874.6x1 lm		
NAME: ASD-UHB2HV-150D50-PRM	TYPE:0	
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=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:481.20V I:0.8619A P:150.75W PF:0.9717 Freq:50.03Hz Lamp Flux:19874.6x1 lm		
NAME: ASD-UHB2HV-150D50-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		

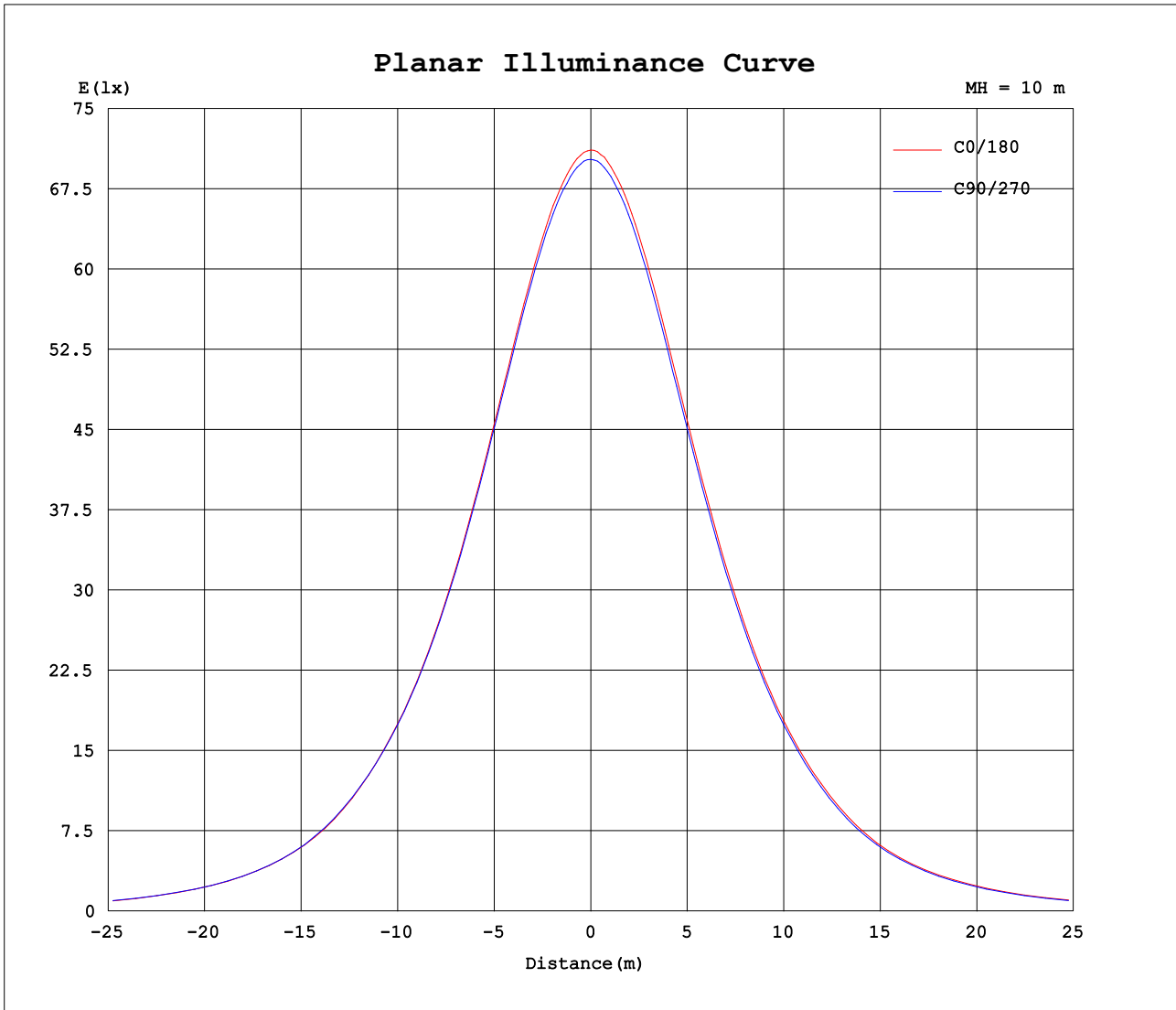
AvgL	cd/m2
L_0~180 (65) av	219433
L_0~180 (75) av	140945
L_0~180 (85) av	24910
L_90~270 (65) av	216745
L_90~270 (75) av	139331
L_90~270 (85) av	23888
L_45 (65) av	216689
L_45 (75) av	139628
L_45 (85) av	24143

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=1.0000]  
 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=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:481.20V I:0.8619A P:150.75W PF:0.9717 Freq:50.03Hz Lamp Flux:19874.6x1 lm		
NAME: ASD-UHB2HV-150D50-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	7113	7090	7073	7057	7041	7032	7025	7017	7015	7012	7012	7013	7113	7090	7073	7057	7041	7032	7025
5	7074	7049	7032	7021	7006	6999	6993	6992	6983	6984	6984	6982	7085	7063	7038	7022	7012	6996	6989
10	6984	6967	6951	6937	6925	6919	6912	6908	6906	6904	6900	6903	7010	6982	6966	6949	6928	6919	6913
15	6859	6843	6823	6812	6802	6796	6789	6789	6787	6788	6785	6787	6886	6864	6848	6821	6809	6791	6785
20	6676	6660	6648	6638	6626	6620	6614	6618	6618	6619	6613	6619	6717	6690	6673	6649	6633	6620	6613
25	6444	6428	6414	6410	6398	6398	6390	6394	6394	6399	6393	6391	6492	6463	6449	6425	6409	6393	6387
30	6151	6145	6130	6126	6114	6119	6106	6113	6114	6122	6115	6119	6210	6185	6169	6142	6129	6109	6104
35	5814	5807	5789	5790	5776	5786	5771	5784	5779	5792	5782	5788	5876	5847	5832	5803	5797	5770	5770
40	5417	5410	5392	5399	5385	5394	5384	5394	5389	5404	5395	5398	5488	5455	5445	5410	5404	5380	5380
45	4953	4948	4935	4948	4935	4943	4932	4947	4943	4958	4949	4951	5031	5002	4994	4958	4953	4925	4928
50	4380	4381	4369	4395	4386	4410	4403	4427	4415	4437	4416	4425	4504	4466	4461	4421	4415	4380	4386
55	3683	3695	3682	3713	3699	3725	3714	3749	3736	3753	3728	3745	3811	3776	3778	3734	3732	3692	3697
60	3005	3012	2991	3009	3009	3036	3013	3035	3043	3058	3027	3037	3108	3086	3085	3038	3048	3011	3014
65	2298	2314	2292	2317	2313	2343	2325	2342	2349	2372	2345	2341	2413	2382	2394	2337	2359	2319	2328
70	1546	1567	1551	1593	1572	1611	1598	1639	1624	1653	1625	1639	1673	1638	1650	1613	1622	1581	1601
75	875	888	880	902	902	923	911	935	935	957	936	943	978	960	961	933	934	913	921
80	312	333	313	348	329	349	342	362	355	372	359	366	384	372	379	360	358	338	346
85	42.6	45.4	44.4	48.4	48.4	54.2	51.4	57.4	57.1	62.1	56.4	58.7	67.7	64.3	66.2	58.0	58.9	53.2	54.4
90	5.79	5.70	5.72	5.57	5.61	5.47	5.56	5.41	5.49	5.40	5.50	5.39	6.44	6.34	6.20	6.30	6.21	6.34	6.23
95	8.66	8.53	8.54	8.35	8.37	8.21	8.27	8.12	8.15	8.03	8.12	8.05	9.11	9.14	9.08	9.21	9.16	9.30	9.23
100	12.4	12.2	12.2	12.0	12.0	11.8	11.9	11.7	11.7	11.6	11.7	11.6	12.9	12.9	12.8	13.0	12.9	13.1	13.0
105	16.7	16.6	16.5	16.3	16.3	16.1	16.1	15.9	16.0	15.8	15.9	15.8	17.3	17.3	17.3	17.4	17.4	17.6	17.5
110	21.5	21.3	21.3	21.1	21.1	20.8	20.9	20.7	20.7	20.5	20.6	20.5	22.2	22.3	22.1	22.3	22.3	22.4	22.3
115	26.5	26.3	26.3	26.0	26.0	25.7	25.8	25.5	25.6	25.4	25.5	25.4	27.3	27.3	27.2	27.3	27.3	27.4	27.3
120	31.4	31.2	31.1	30.8	30.8	30.6	30.6	30.4	30.4	30.2	30.4	30.2	32.2	32.2	32.1	32.2	32.2	32.3	32.2
125	36.0	35.8	35.7	35.4	35.4	35.2	35.2	35.0	35.0	34.8	34.9	34.9	36.9	36.9	36.7	36.9	36.7	36.9	36.7
130	40.3	40.1	39.9	39.7	39.6	39.5	39.5	39.3	39.3	39.1	39.2	39.2	41.3	41.2	41.1	41.2	41.0	41.2	41.0
135	44.2	44.0	43.8	43.6	43.5	43.4	43.4	43.3	43.3	43.1	43.2	43.2	45.4	45.3	45.1	45.1	45.0	45.1	44.9
140	47.7	47.5	47.3	47.1	47.0	46.9	47.0	46.9	46.8	46.7	46.7	46.7	49.1	48.9	48.7	48.6	48.5	48.6	48.5
145	50.8	50.6	50.4	50.3	50.2	50.2	50.2	50.0	50.0	49.8	49.9	49.9	52.3	52.1	52.0	51.8	51.7	51.7	51.6
150	53.8	53.6	53.5	53.3	53.3	53.2	53.2	53.0	53.0	52.9	53.0	52.9	55.3	55.1	55.0	54.9	54.7	54.7	54.6
155	56.9	56.8	56.6	56.6	56.5	56.4	56.3	56.2	56.2	56.1	56.1	56.1	58.2	58.0	57.9	57.8	57.6	57.5	57.3
160	59.7	59.6	59.5	59.5	59.4	59.3	59.2	59.1	59.0	59.0	59.0	59.0	60.9	60.7	60.6	60.4	60.3	60.2	60.0
165	62.5	62.4	62.3	62.2	62.1	61.9	61.9	61.8	61.8	61.7	61.8	61.7	63.4	63.2	63.1	62.9	62.9	62.6	62.5
170	65.0	65.0	64.9	64.8	64.6	64.5	64.4	64.4	64.3	64.3	64.3	64.3	65.7	65.4	65.3	65.1	65.1	64.9	64.7
175	67.1	67.3	67.0	66.9	66.7	66.7	66.6	66.5	66.5	66.4	66.4	66.4	67.6	67.2	67.2	66.9	66.9	66.7	66.5
180	68.4	68.5	68.2	68.2	68.0	68.0	67.7	67.7	67.5	67.4	67.3	67.3	68.7	68.3	68.4	68.1	68.1	67.9	67.8

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=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:481.20V I:0.8619A P:150.75W PF:0.9717 Freq:50.03Hz Lamp Flux:19874.6x1 lm		
NAME: ASD-UHB2HV-150D50-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	7017	7015	7012	7012	7013														
5	6982	6980	6974	6973	6973														
10	6901	6893	6889	6889	6889														
15	6772	6767	6760	6763	6764														
20	6601	6594	6581	6583	6581														
25	6374	6361	6356	6358	6357														
30	6089	6083	6073	6075	6074														
35	5751	5748	5736	5741	5734														
40	5360	5361	5341	5347	5341														
45	4908	4906	4883	4890	4884														
50	4353	4354	4320	4335	4329														
55	3666	3669	3641	3659	3651														
60	2974	2986	2971	2992	2971														
65	2283	2304	2278	2309	2280														
70	1569	1574	1540	1569	1556														
75	894	899	880	894	884														
80	332	349	320	343	323														
85	47.6	49.0	45.3	48.1	45.5														
90	6.36	6.31	6.42	6.30	6.37														
95	9.36	9.33	9.46	9.33	9.39														
100	13.2	13.1	13.3	13.1	13.2														
105	17.6	17.6	17.7	17.6	17.7														
110	22.5	22.5	22.6	22.5	22.5														
115	27.5	27.4	27.6	27.4	27.5														
120	32.3	32.3	32.4	32.3	32.4														
125	36.9	36.8	37.0	36.8	36.9														
130	41.1	41.1	41.2	41.1	41.2														
135	45.0	45.0	45.1	45.0	45.1														
140	48.5	48.5	48.6	48.5	48.5														
145	51.6	51.6	51.7	51.6	51.6														
150	54.5	54.5	54.5	54.5	54.5														
155	57.3	57.2	57.3	57.2	57.2														
160	60.0	59.8	59.9	59.8	59.8														
165	62.4	62.2	62.2	62.1	62.2														
170	64.6	64.4	64.4	64.4	64.4														
175	66.4	66.2	66.2	66.1	66.1														
180	67.6	67.5	67.4	67.4	67.3														

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=1.0000]  
 Remarks: