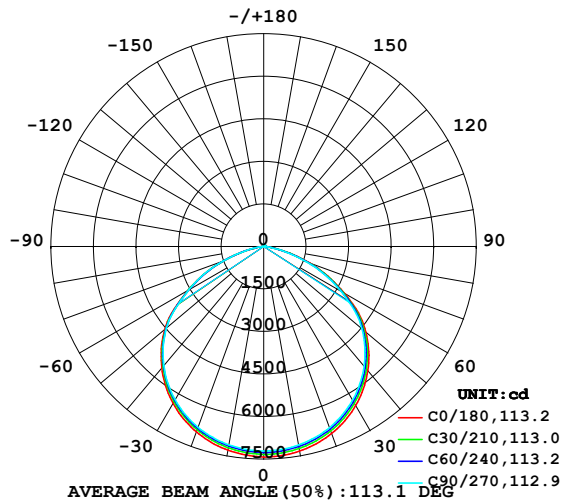


LUMINAIRE PHOTOMETRIC TEST REPORT

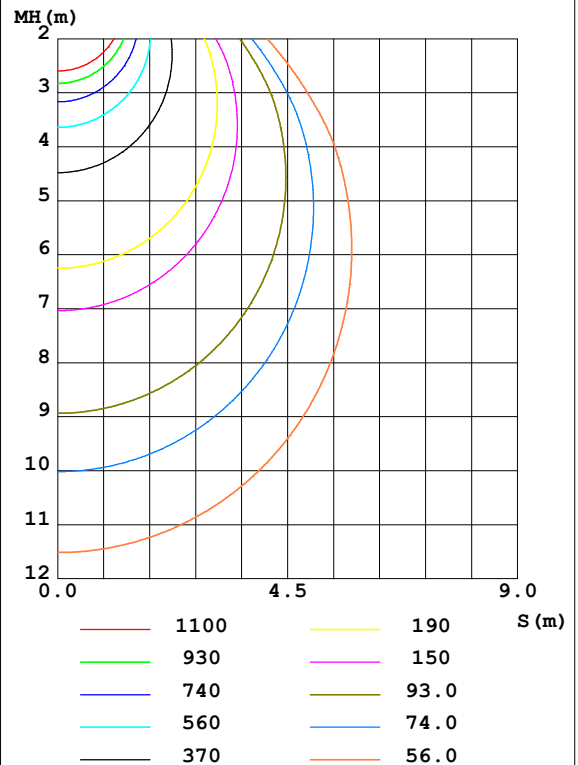
Test:U:122.43V I:1.2049A P:147.79W PF:0.9763 Freq:49.97Hz Lamp Flux:20321.3x1 lm		
NAME: ASD-UHB2-150D40W-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 137.50 lm/W			
MODEL	ASD-UHB2-150D40W-PRM	I _{max} (cd)	7423	S/MH (C0/180)	1.28
NOMINAL POWER (W)	150	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	20321	η UP, DN (C0-180)	0.5, 49.8
NOMINAL FLUX (lm)	20321.3	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 49.2
LAMPS INSIDE	1	η up (%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	99.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2020-6-5

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

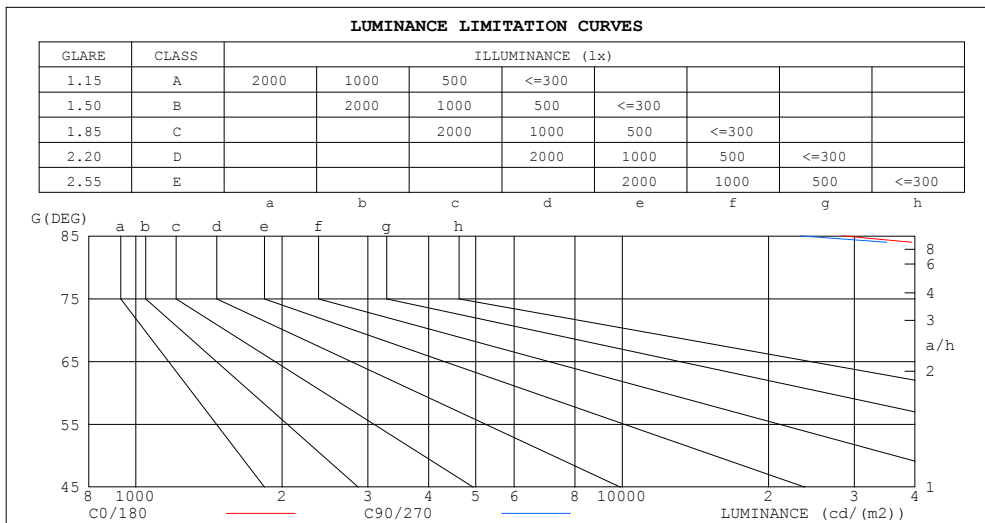
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	7324	7196	7107	7045	7292	7171	7100	7056	0- 10	686.2	686.2	3.38,3.38
20	7015	6891	6797	6730	6955	6844	6783	6751	10- 20	1978	2664	13.1,13.1
30	6483	6360	6265	6196	6390	6292	6245	6226	20- 30	3034	5698	28,28
40	5716	5608	5513	5439	5594	5510	5483	5476	30- 40	3710	9408	46.3,46.3
50	4704	4619	4523	4448	4559	4489	4481	4493	40- 50	3895	13303	65.5,65.5
60	3278	3206	3135	3034	3071	3025	3039	3080	50- 60	3437	16740	82.4,82.4
70	1746	1705	1612	1547	1548	1498	1538	1593	60- 70	2332	19072	93.9,93.9
80	382.2	366.1	329.4	294.7	274.6	266.0	303.7	325.3	70- 80	945.8	20018	98.5,98.5
90	5.558	5.164	5.208	5.278	6.540	6.356	6.060	5.862	80- 90	96.19	20114	99,99
100	11.49	11.34	11.48	11.77	13.83	13.47	13.00	12.52	90-100	9.476	20123	99,99
110	20.84	20.58	20.70	21.01	23.85	23.31	22.63	22.01	100-110	17.83	20141	99.1,99.1
120	31.26	30.89	30.88	31.13	34.44	33.61	32.84	32.12	110-120	26.66	20168	99.2,99.2
130	40.88	40.49	40.29	40.44	43.94	42.89	42.10	41.34	120-130	32.92	20201	99.4,99.4
140	49.25	48.70	48.33	48.37	52.02	50.79	50.02	49.27	130-140	35.17	20236	99.6,99.6
150	56.37	55.71	55.20	55.16	58.81	57.39	56.60	55.90	140-150	33.11	20269	99.7,99.7
160	63.06	62.30	61.64	61.46	64.75	63.20	62.44	61.76	150-160	27.37	20296	99.9,99.9
170	68.99	68.13	67.24	67.03	69.89	68.18	67.41	66.76	160-170	18.37	20315	100,100
180	72.65	71.56	70.46	70.09	73.05	71.30	70.62	70.01	170-180	6.593	20321	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:2020-6-5

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:122.43V I:1.2049A P:147.79W PF:0.9763 Freq:49.97Hz Lamp Flux:20321.3x1 lm		
NAME: ASD-UHB2-150D40W-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	28367	23249
80	86655	74676
75	149339	136521
70	201021	185523
65	233199	223658
60	258133	246857
55	280064	266617
50	288089	277039
45	291891	281195

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2020-6-5

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

```

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

```

WEC AND CCEC

Test:U:122.43V I:1.2049A P:147.79W PF:0.9763 Freq:49.97Hz Lamp Flux:20321.3x1 lm											
NAME: ASD-UHB2-150D40W-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	.283	.161	.051	.275	.157	.050	.262	.150	.048	.249	.144	.046	.237	.138	.044	
2.0	.274	.150	.046	.267	.147	.045	.255	.142	.044	.244	.137	.043	.234	.132	.042	
3.0	.257	.137	.041	.252	.135	.041	.241	.131	.040	.231	.127	.039	.222	.123	.038	
4.0	.240	.125	.037	.235	.123	.036	.226	.120	.036	.217	.116	.035	.209	.113	.035	
5.0	.224	.114	.033	.219	.113	.033	.211	.110	.032	.203	.107	.032	.195	.104	.031	
6.0	.209	.105	.030	.205	.103	.030	.197	.101	.029	.190	.099	.029	.183	.096	.029	
7.0	.195	.096	.027	.191	.095	.027	.185	.093	.027	.178	.091	.027	.172	.089	.026	
8.0	.183	.089	.025	.179	.088	.025	.173	.087	.025	.168	.085	.024	.162	.083	.024	
9.0	.171	.083	.023	.169	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.022	
10.0	.162	.077	.021	.159	.077	.021	.154	.075	.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	.068	.140	.094	.059	.096	.065	.041	.056	.038	.024	.018	.012	.008	
5.0	.155	.098	.056	.133	.085	.049	.092	.059	.034	.053	.035	.020	.017	.011	.007	
6.0	.149	.090	.048	.128	.078	.042	.088	.055	.030	.051	.032	.018	.016	.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	.077	.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:2020-6-5

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:122.43V I:1.2049A P:147.79W PF:0.9763 Freq:49.97Hz Lamp Flux:20321.3x1 lm										
NAME: ASD-UHB2-150D40W-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	22.1	23.5	22.4	23.8	24.0	21.9	23.4	22.2	23.6	23.8
3H	23.3	24.6	23.6	24.9	25.1	23.1	24.4	23.4	24.7	24.9
4H	23.6	24.9	23.9	25.1	25.4	23.3	24.6	23.7	24.9	25.2
6H	23.7	24.9	24.0	25.1	25.4	23.4	24.6	23.8	24.9	25.2
8H	23.6	24.8	24.0	25.1	25.4	23.4	24.5	23.7	24.8	25.1
12H	23.6	24.7	23.9	25.0	25.3	23.3	24.4	23.7	24.8	25.1
4H 2H	22.6	23.9	22.9	24.1	24.4	22.4	23.7	22.8	24.0	24.3
3H	23.9	25.0	24.3	25.3	25.6	23.7	24.8	24.1	25.1	25.5
4H	24.3	25.3	24.7	25.6	26.0	24.1	25.1	24.5	25.4	25.8
6H	24.4	25.3	24.8	25.7	26.1	24.2	25.1	24.6	25.5	25.9
8H	24.4	25.2	24.8	25.6	26.0	24.2	25.0	24.6	25.4	25.8
12H	24.4	25.1	24.8	25.5	26.0	24.2	24.9	24.6	25.3	25.7
8H 4H	24.4	25.2	24.8	25.6	26.0	24.2	25.0	24.6	25.4	25.8
6H	24.6	25.2	25.0	25.7	26.1	24.4	25.0	24.8	25.5	25.9
8H	24.6	25.2	25.0	25.6	26.1	24.4	25.0	24.8	25.4	25.9
12H	24.5	25.1	25.0	25.5	26.0	24.3	24.8	24.8	25.3	25.8
12H 4H	24.3	25.1	24.8	25.5	25.9	24.2	24.9	24.6	25.3	25.7
6H	24.5	25.1	25.0	25.6	26.0	24.3	24.9	24.8	25.4	25.8
8H	24.5	25.1	25.0	25.5	26.0	24.3	24.9	24.8	25.3	25.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.5					+ 0.3 / - 0.5				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117, 20321 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.5)
Area: 0.0254 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2020-6-5

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:122.43V I:1.2049A P:147.79W PF:0.9763 Freq:49.97Hz Lamp Flux:20321.3x1 lm		
NAME: ASD-UHB2-150D40W-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		

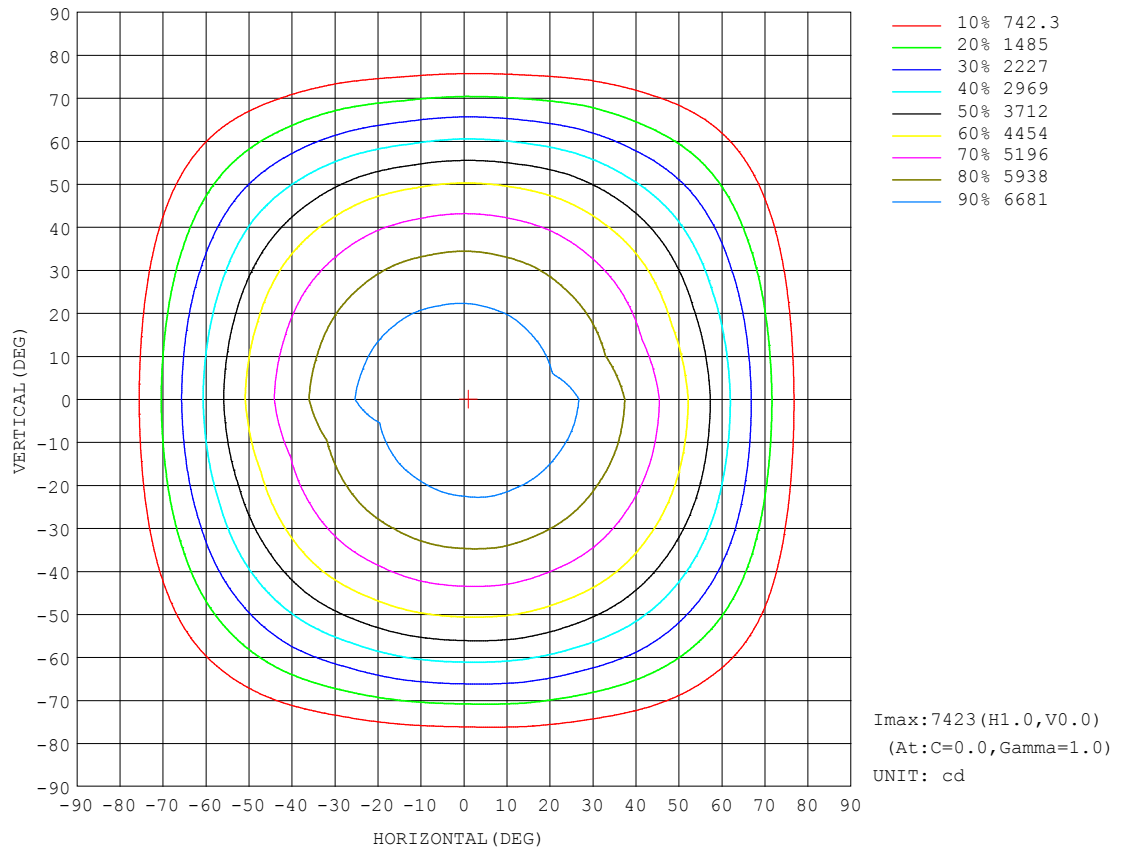
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	58	47	40	57	46	40	56	46	39	33
0.80	69	57	50	67	57	50	66	56	49	42
1.00	77	67	59	76	66	59	74	67	59	52
1.25	84	74	68	83	74	67	80	72	66	59
1.50	89	80	73	88	79	73	85	77	72	64
2.00	96	88	82	94	87	81	91	85	80	72
2.50	100	93	87	98	91	86	94	89	84	76
3.00	103	97	92	101	95	91	97	92	88	80
4.00	107	102	98	105	100	96	100	97	93	84
5.00	109	105	101	107	103	100	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2020-6-5

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:122.43V I:1.2049A P:147.79W PF:0.9763 Freq:49.97Hz Lamp Flux:20321.3x1 lm		
NAME: ASD-UHB2-150D40W-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		

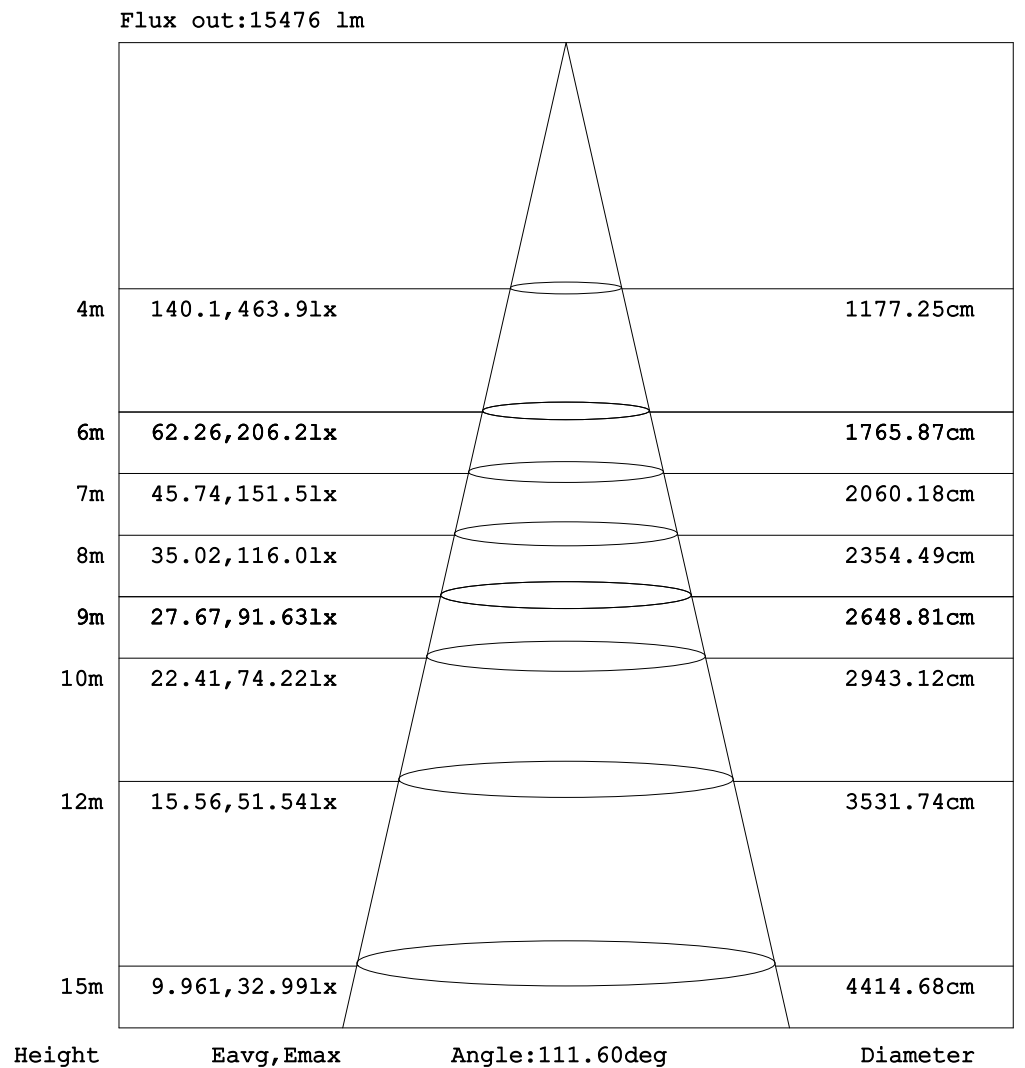


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: S
Test Date: 2020-6-5

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity: 65.0%
Test Distance: 8.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:122.43V I:1.2049A P:147.79W PF:0.9763 Freq:49.97Hz Lamp Flux:20321.3x1 lm		
NAME: ASD-UHB2-150D40W-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		



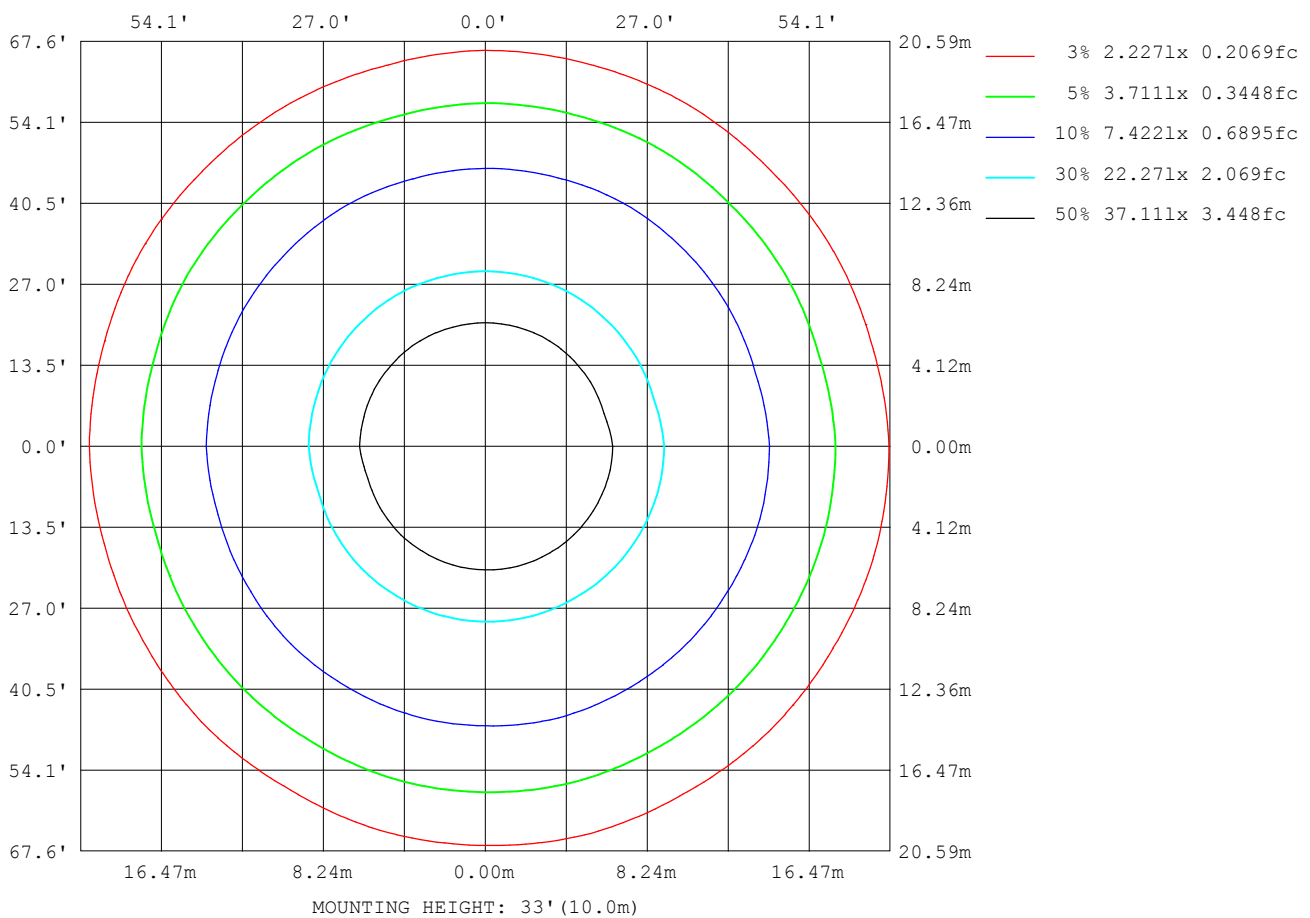
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:S
 Test Date:2020-6-5

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:122.43V I:1.2049A P:147.79W PF:0.9763 Freq:49.97Hz Lamp Flux:20321.3x1 lm		
NAME: ASD-UHB2-150D40W-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:2020-6-5

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:122.43V I:1.2049A P:147.79W PF:0.9763 Freq:49.97Hz Lamp Flux:20321.3x1 lm		
NAME: ASD-UHB2-150D40W-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		

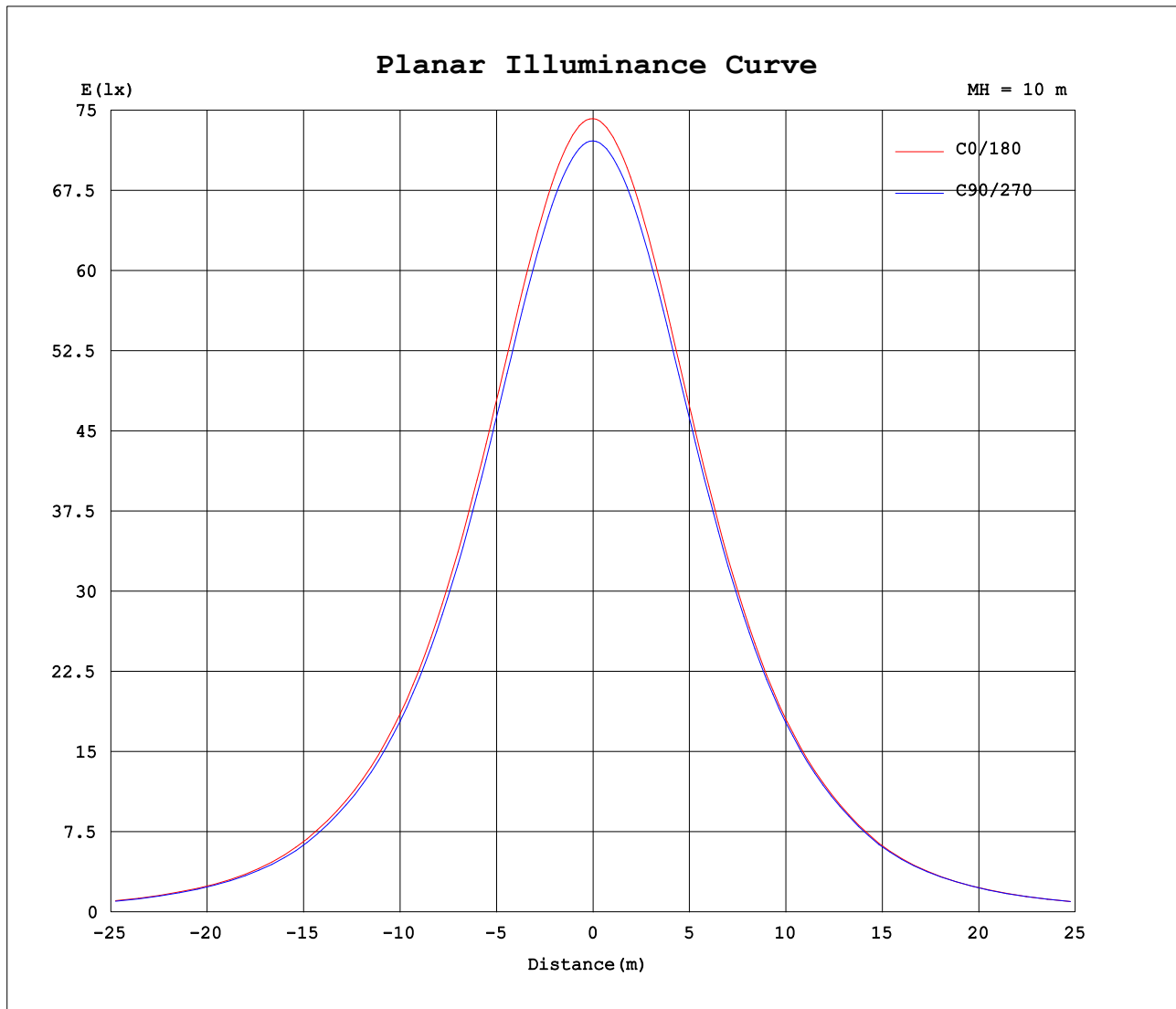
AvgL	cd/m2
L_0~180 (65) av	224879
L_0~180 (75) av	136082
L_0~180 (85) av	22749
L_90~270 (65) av	219880
L_90~270 (75) av	131461
L_90~270 (85) av	21214
L_45 (65) av	219747
L_45 (75) av	132531
L_45 (85) av	21530

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2020-6-5

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
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: 2020-6-5

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.416
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:122.43V I:1.2049A P:147.79W PF:0.9763 Freq:49.97Hz Lamp Flux:20321.3x1 lm		
NAME: ASD-UHB2-150D40W-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	7422	7373	7333	7297	7266	7239	7215	7194	7176	7162	7149	7138	7422	7373	7333	7297	7266	7239	7215
5	7400	7353	7309	7273	7239	7213	7186	7164	7142	7128	7112	7100	7381	7331	7293	7257	7229	7201	7181
10	7324	7278	7231	7196	7161	7137	7107	7084	7059	7045	7027	7014	7292	7242	7206	7171	7146	7117	7100
15	7197	7153	7106	7071	7036	7012	6979	6954	6928	6915	6896	6882	7152	7103	7070	7036	7011	6982	6968
20	7015	6973	6924	6891	6855	6834	6797	6773	6742	6730	6710	6695	6955	6906	6876	6844	6822	6793	6783
25	6778	6737	6686	6652	6617	6597	6559	6534	6502	6491	6469	6453	6702	6652	6626	6596	6576	6547	6542
30	6483	6448	6391	6360	6321	6308	6265	6242	6206	6196	6171	6155	6390	6341	6321	6292	6275	6245	6245
35	6129	6096	6042	6013	5973	5960	5916	5893	5853	5846	5817	5800	6022	5974	5959	5930	5918	5886	5893
40	5716	5690	5635	5608	5568	5559	5513	5488	5445	5439	5409	5390	5594	5549	5538	5510	5505	5470	5483
45	5243	5223	5169	5145	5105	5098	5050	5026	4980	4976	4942	4924	5108	5063	5059	5032	5030	4996	5014
50	4704	4691	4637	4619	4575	4575	4523	4499	4449	4448	4411	4395	4559	4510	4514	4489	4494	4459	4481
55	4080	4077	4017	3998	3956	3960	3884	3856	3798	3792	3726	3719	3858	3803	3803	3787	3810	3761	3792
60	3278	3268	3221	3206	3175	3181	3135	3107	3037	3034	3007	2981	3071	3028	3066	3025	3023	2986	3039
65	2503	2517	2473	2475	2425	2456	2401	2382	2309	2330	2275	2262	2325	2294	2320	2287	2293	2263	2320
70	1746	1749	1703	1705	1669	1687	1612	1601	1554	1547	1498	1485	1548	1497	1512	1498	1528	1486	1538
75	982	999	958	959	936	960	897	879	830	834	791	782	807	789	799	791	813	793	831
80	382	385	365	366	349	361	329	332	283	295	265	273	275	253	276	266	285	264	304
85	62.8	65.6	60.4	60.6	55.3	59.9	51.5	48.4	41.1	41.0	35.9	34.3	37.9	35.0	38.0	37.5	40.6	36.9	42.5
90	5.56	5.54	5.34	5.16	5.20	5.06	5.21	5.16	5.35	5.28	5.44	5.43	6.54	6.54	6.39	6.36	6.23	6.27	6.06
95	7.86	7.76	7.78	7.75	7.77	7.69	7.85	7.93	8.13	8.11	8.24	8.31	9.76	9.73	9.55	9.47	9.34	9.37	9.13
100	11.5	11.3	11.4	11.3	11.4	11.2	11.5	11.5	11.8	11.8	12.0	12.0	13.8	13.8	13.6	13.5	13.3	13.3	13.0
105	15.9	15.7	15.8	15.7	15.7	15.6	15.8	15.9	16.2	16.1	16.4	16.4	18.6	18.6	18.3	18.2	17.9	18.0	17.6
110	20.8	20.6	20.7	20.6	20.6	20.4	20.7	20.8	21.1	21.0	21.3	21.3	23.8	23.8	23.4	23.3	23.0	23.1	22.6
115	26.1	25.8	25.9	25.7	25.8	25.5	25.8	25.9	26.2	26.1	26.3	26.4	29.2	29.1	28.7	28.5	28.2	28.2	27.8
120	31.3	31.0	31.0	30.9	30.9	30.7	30.9	30.9	31.2	31.1	31.3	31.4	34.4	34.2	33.8	33.6	33.3	33.3	32.8
125	36.2	36.0	35.9	35.8	35.7	35.5	35.7	35.8	36.0	35.9	36.1	36.1	39.3	39.1	38.7	38.4	38.1	38.0	37.6
130	40.9	40.7	40.5	40.5	40.4	40.2	40.3	40.3	40.5	40.4	40.5	40.6	43.9	43.6	43.2	42.9	42.6	42.5	42.1
135	45.2	45.1	44.9	44.8	44.6	44.4	44.5	44.5	44.7	44.6	44.7	44.7	48.2	47.8	47.4	47.0	46.8	46.6	46.3
140	49.2	49.1	48.8	48.7	48.5	48.3	48.3	48.4	48.4	48.4	48.4	48.4	52.0	51.5	51.2	50.8	50.6	50.3	50.0
145	52.8	52.7	52.4	52.3	52.0	51.8	51.8	51.8	51.9	51.8	51.8	51.8	55.5	55.0	54.7	54.2	54.0	53.7	53.4
150	56.4	56.2	55.8	55.7	55.4	55.3	55.2	55.2	55.2	55.2	55.2	55.1	58.8	58.2	57.9	57.4	57.2	56.9	56.6
155	59.8	59.7	59.3	59.2	58.8	58.7	58.6	58.6	58.5	58.5	58.4	58.4	61.8	61.2	60.9	60.4	60.1	59.8	59.6
160	63.1	62.9	62.4	62.3	61.9	61.8	61.6	61.6	61.5	61.5	61.4	61.4	64.7	64.0	63.8	63.2	63.0	62.7	62.4
165	66.2	66.0	65.4	65.3	64.9	64.8	64.6	64.6	64.4	64.4	64.3	64.3	67.5	66.7	66.4	65.8	65.6	65.3	65.1
170	69.0	68.8	68.3	68.1	67.7	67.5	67.2	67.2	67.0	67.0	66.9	66.9	69.9	69.0	68.8	68.2	68.0	67.6	67.4
175	71.4	71.2	70.6	70.4	69.9	69.8	69.4	69.3	69.1	69.0	68.9	68.9	71.8	71.0	70.7	70.1	69.9	69.5	69.3
180	72.6	72.5	71.8	71.6	71.0	70.9	70.5	70.4	70.1	70.1	69.9	69.9	73.1	72.2	72.1	71.3	71.2	70.7	70.6

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2020-6-5

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:122.43V I:1.2049A P:147.79W PF:0.9763 Freq:49.97Hz Lamp Flux:20321.3x1 lm		
NAME: ASD-UHB2-150D40W-PRM	TYPE:0	
MFR.: ASD LIGHTING CORP		

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	7194	7176	7162	7149	7138														
5	7162	7149	7134	7125	7115														
10	7082	7072	7056	7048	7039														
15	6953	6945	6931	6924	6917														
20	6769	6766	6751	6746	6740														
25	6530	6530	6516	6516	6511														
30	6235	6240	6226	6230	6227														
35	5883	5894	5879	5888	5885														
40	5477	5492	5476	5488	5487														
45	5010	5031	5015	5033	5032														
50	4480	4509	4493	4514	4516														
55	3807	3878	3869	3896	3898														
60	3041	3089	3080	3123	3129														
65	2318	2355	2343	2404	2411														
70	1551	1618	1593	1640	1647														
75	849	899	901	921	929														
80	299	346	325	347	357														
85	44.1	50.8	51.5	57.8	59.7														
90	6.02	5.79	5.86	5.74	5.88														
95	8.99	8.74	8.72	8.54	8.42														
100	12.9	12.5	12.5	12.3	12.2														
105	17.4	17.0	17.0	16.7	16.6														
110	22.5	22.0	22.0	21.7	21.6														
115	27.6	27.1	27.1	26.8	26.7														
120	32.6	32.2	32.1	31.8	31.7														
125	37.3	36.9	36.9	36.5	36.4														
130	41.8	41.4	41.3	41.1	40.9														
135	46.0	45.6	45.5	45.2	45.0														
140	49.7	49.4	49.3	49.1	48.8														
145	53.1	52.8	52.7	52.5	52.3														
150	56.3	56.1	55.9	55.7	55.5														
155	59.3	59.1	58.9	58.8	58.6														
160	62.1	61.9	61.8	61.7	61.5														
165	64.7	64.6	64.4	64.3	64.1														
170	67.1	66.9	66.8	66.7	66.5														
175	69.0	68.9	68.7	68.6	68.5														
180	70.3	70.2	70.0	70.0	69.9														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:S
Test Date:2020-6-5

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.416
Humidity:65.0%
Test Distance:8.000m [K=1.0000]
Remarks: