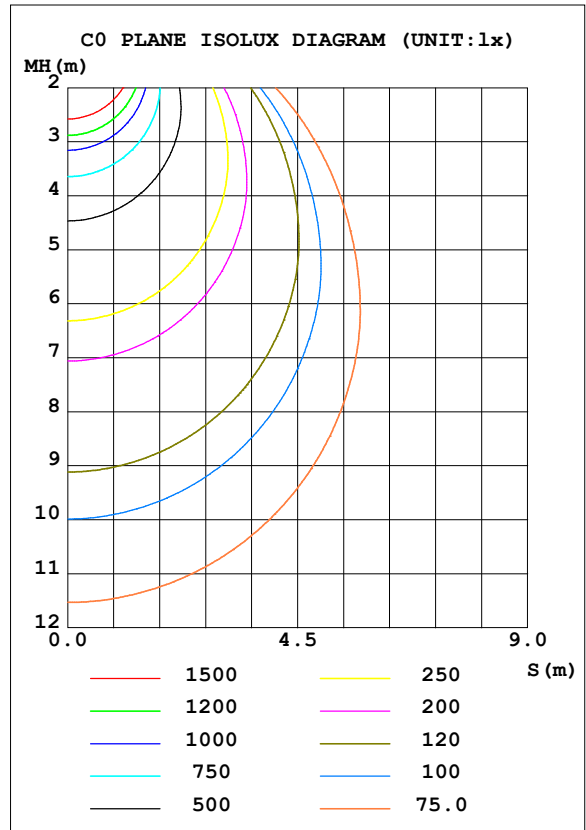
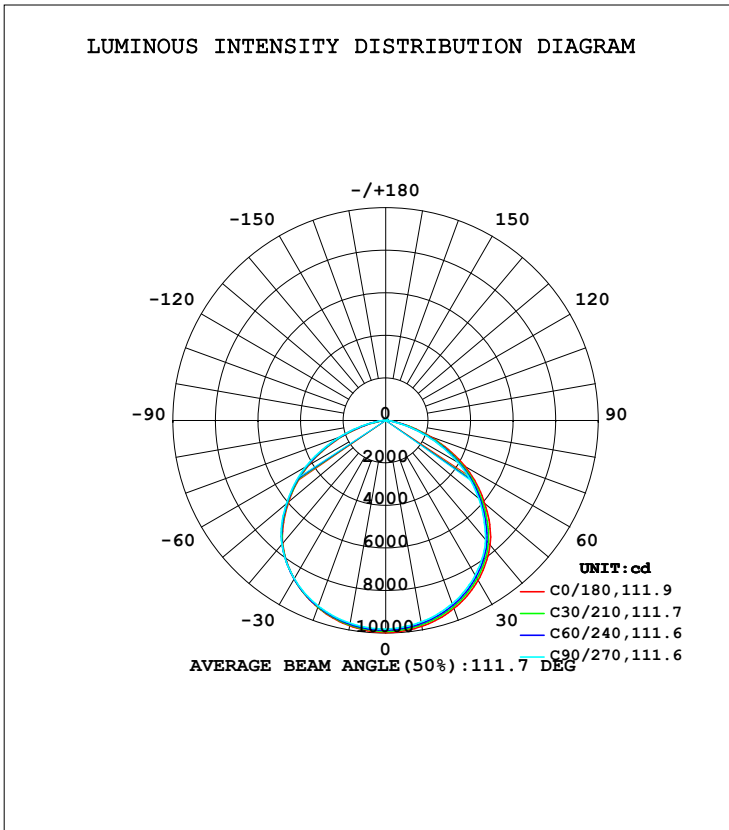


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:276.39V I:0.6956A P:192.78W PF:0.9655 Freq:49.99Hz Lamp Flux:27333.3x1 lm		
NAME: ASD-UHB2-200D50W-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.78 lm/W			
MODEL	ASD-UHB2-200D50W-PRM	I _{max} (cd)	9971	S/MH (C0/180)	1.28
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	27333	η UP, DN (C0-180)	0.5, 48.5
NOMINAL FLUX (lm)	27333.3	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5, 50.5
LAMPS INSIDE	1	η up (%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	277	η down (%)	99.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: C
 Test Date: 06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

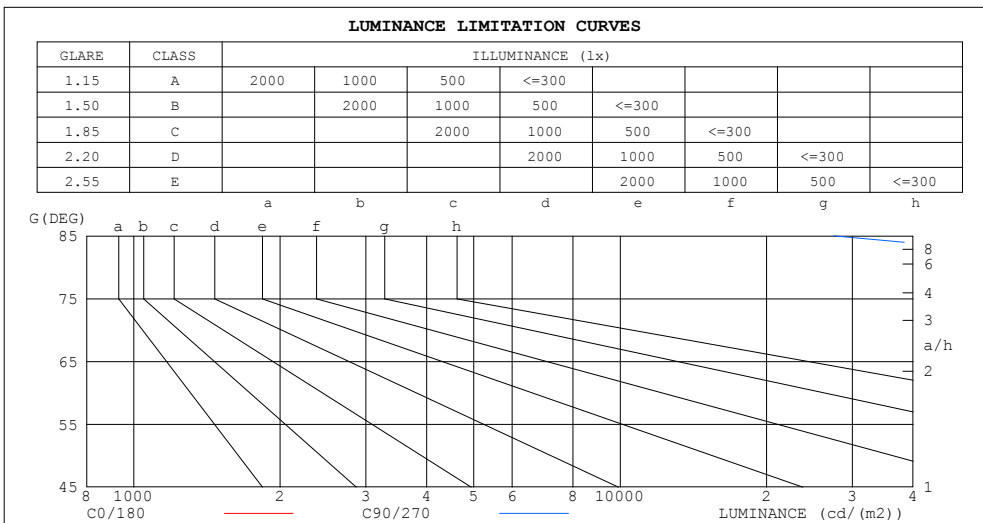
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	9823	9724	9619	9556	9799	9738	9676	9618	0- 10	930.4	930.4	3.4,3.4
20	9406	9288	9165	9101	9352	9313	9282	9226	10- 20	2682	3612	13.2,13.2
30	8687	8555	8412	8352	8609	8600	8596	8551	20- 30	4114	7726	28.3,28.3
40	7641	7476	7303	7263	7542	7559	7595	7552	30- 40	5031	12757	46.7,46.7
50	6085	5901	5716	5685	5959	6009	6099	6067	40- 50	5196	17953	65.7,65.7
60	4297	4088	3896	3872	4163	4208	4329	4309	50- 60	4517	22471	82.2,82.2
70	2265	2079	1904	1886	2134	2216	2349	2339	60- 70	3092	25563	93.5,93.5
80	536.0	458.9	369.8	359.6	456.8	526.6	624.6	619.0	70- 80	1317	26880	98.3,98.3
90	7.937	8.126	8.544	8.545	7.405	6.901	12.99	12.87	80- 90	171.2	27051	99,99
100	16.72	17.26	17.91	17.95	16.92	15.79	14.76	14.57	90-100	12.69	27064	99,99
110	29.44	30.06	30.88	30.87	30.08	28.58	27.18	26.95	100-110	23.82	27087	99.1,99.1
120	43.60	44.15	44.90	44.89	44.36	42.71	41.19	40.82	110-120	35.84	27123	99.2,99.2
130	56.74	57.24	57.77	57.80	57.63	56.00	54.49	53.97	120-130	44.64	27168	99.4,99.4
140	68.06	68.42	68.61	68.58	69.19	67.62	66.21	65.56	130-140	47.99	27216	99.6,99.6
150	77.64	77.78	77.64	77.51	78.95	77.39	76.11	75.30	140-150	45.39	27261	99.7,99.7
160	86.86	86.65	86.21	86.05	87.67	86.29	85.01	84.12	150-160	37.63	27299	99.9,99.9
170	94.74	94.33	93.55	93.37	95.08	93.90	92.77	91.72	160-170	25.34	27324	100,100
180	99.58	99.01	97.70	97.16	99.82	98.80	98.05	97.00	170-180	9.106	27333	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:276.39V I:0.6956A P:192.78W PF:0.9655 Freq:49.99Hz Lamp Flux:27333.3x1 lm		
NAME: ASD-UHB2-200D50W-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	51735	27475
80	121530	83846
75	197440	157531
70	260742	219138
65	303435	269514
60	338316	306773
55	358434	333121
50	372714	350097
45	385094	363708

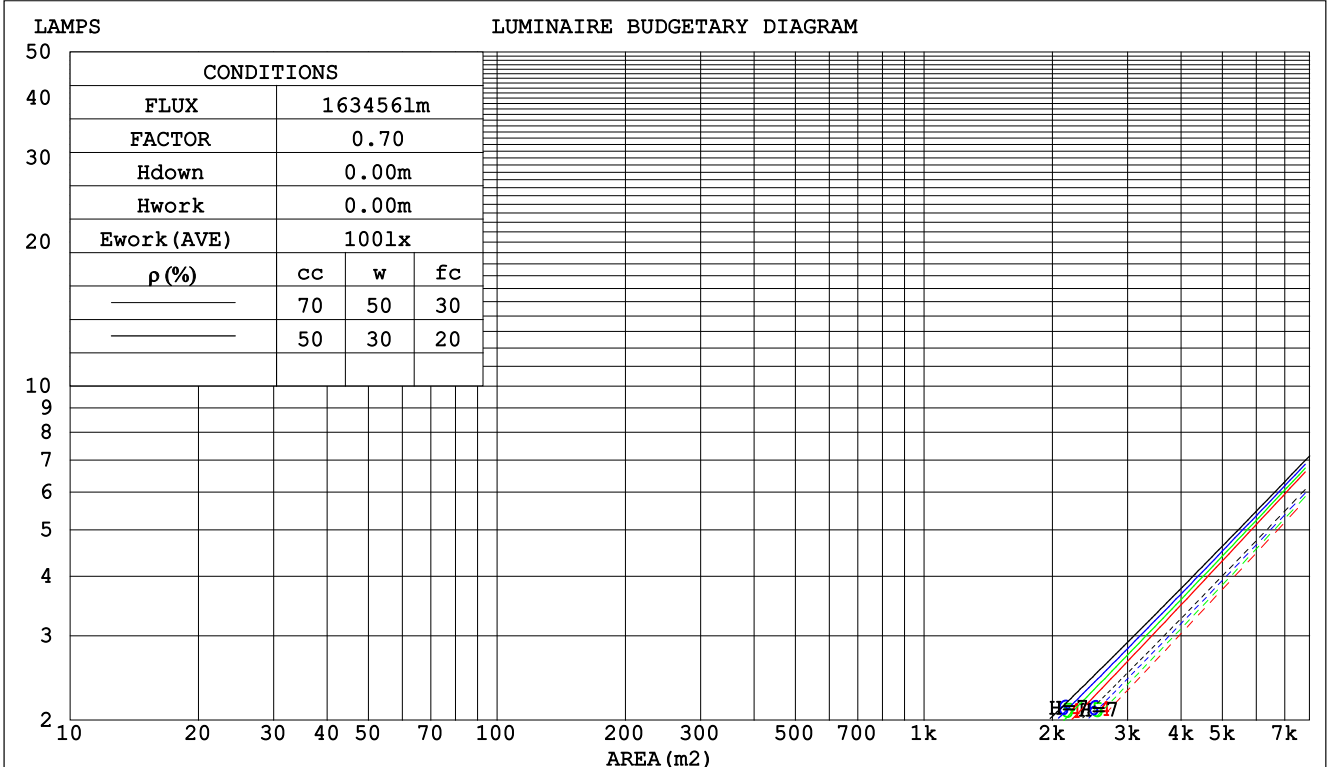
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:276.39V I:0.6956A P:192.78W PF:0.9655 Freq:49.99Hz Lamp Flux:27333.3x1 lm		
NAME: ASD-UHB2-200D50W-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

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						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	.89	.87	.85
2.0	.92	.86	.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	.63	.60
4.0	.72	.63	.57	.71	.63	.56	.68	.61	.56	.65	.60	.55	.63	.58	.54	.52
5.0	.64	.56	.49	.63	.55	.49	.61	.54	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.38	.50	.43	.37	.48	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.34	.47	.39	.34	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10.0	.40	.33	.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:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:276.39V I:0.6956A P:192.78W PF:0.9655 Freq:49.99Hz Lamp Flux:27333.3x1 lm		
NAME: ASD-UHB2-200D50W-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

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	.284	.161	.051	.277	.158	.050	.263	.151	.048	.250	.144	.046	.239	.138	.045	
2.0	.274	.150	.046	.268	.147	.045	.256	.142	.044	.245	.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	.225	.120	.036	.217	.116	.035	.208	.113	.034	
5.0	.223	.114	.033	.219	.112	.033	.210	.110	.032	.203	.107	.032	.195	.104	.031	
6.0	.208	.104	.030	.204	.103	.030	.197	.101	.029	.190	.099	.029	.183	.096	.029	
7.0	.195	.096	.027	.191	.095	.027	.184	.093	.027	.178	.091	.027	.172	.089	.026	
8.0	.182	.089	.025	.179	.088	.025	.173	.086	.025	.167	.085	.024	.162	.083	.024	
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.153	.078	.022	
10.0	.161	.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	.170	.170	.170	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.186	.164	.144	.160	.141	.124	.109	.097	.086	.063	.056	.050	.020	.018	.016	
2.0	.178	.140	.108	.152	.121	.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	.066	.041	.056	.038	.025	.018	.013	.008	
5.0	.155	.098	.056	.134	.085	.049	.092	.059	.035	.053	.035	.021	.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	.037	.084	.051	.026	.049	.030	.015	.016	.010	.005	
8.0	.136	.077	.037	.117	.067	.033	.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:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:276.39V I:0.6956A P:192.78W PF:0.9655 Freq:49.99Hz Lamp Flux:27333.3x1 lm										
NAME: ASD-UHB2-200D50W-PRM					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ASD LIGHTING CORP					SUR.:1			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	21.8	23.3	22.1	23.5	23.7	21.5	22.9	21.8	23.2	23.4
3H	23.0	24.3	23.3	24.6	24.8	22.5	23.8	22.8	24.1	24.3
4H	23.3	24.5	23.6	24.8	25.1	22.7	24.0	23.0	24.3	24.5
6H	23.4	24.6	23.7	24.9	25.2	22.8	24.0	23.1	24.2	24.5
8H	23.4	24.5	23.7	24.8	25.1	22.7	23.9	23.1	24.2	24.5
12H	23.3	24.4	23.7	24.7	25.1	22.7	23.8	23.0	24.1	24.4
4H 2H	22.2	23.5	22.6	23.8	24.1	22.0	23.3	22.3	23.5	23.8
3H	23.5	24.6	23.9	25.0	25.3	23.1	24.2	23.5	24.6	24.9
4H	23.9	24.9	24.3	25.3	25.6	23.4	24.5	23.8	24.8	25.1
6H	24.1	25.0	24.5	25.4	25.7	23.5	24.4	23.9	24.8	25.2
8H	24.1	24.9	24.5	25.3	25.7	23.5	24.3	23.9	24.7	25.1
12H	24.1	24.8	24.5	25.2	25.7	23.5	24.2	23.9	24.6	25.1
8H 4H	24.0	24.8	24.4	25.2	25.6	23.5	24.4	24.0	24.8	25.2
6H	24.2	24.9	24.7	25.3	25.8	23.7	24.4	24.1	24.8	25.2
8H	24.2	24.8	24.7	25.3	25.7	23.7	24.3	24.2	24.7	25.2
12H	24.2	24.7	24.7	25.2	25.7	23.7	24.2	24.1	24.6	25.1
12H 4H	24.0	24.7	24.4	25.1	25.5	23.5	24.3	24.0	24.7	25.1
6H	24.2	24.8	24.7	25.2	25.7	23.7	24.3	24.1	24.7	25.2
8H	24.2	24.7	24.7	25.2	25.7	23.7	24.2	24.2	24.6	25.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.4					+ 0.3 / - 0.5				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.5				

CIE Pub.117, 27333 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 11.5)
 Area: 0.0254 m2

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:276.39V I:0.6956A P:192.78W PF:0.9655 Freq:49.99Hz Lamp Flux:27333.3x1 lm		
NAME: ASD-UHB2-200D50W-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

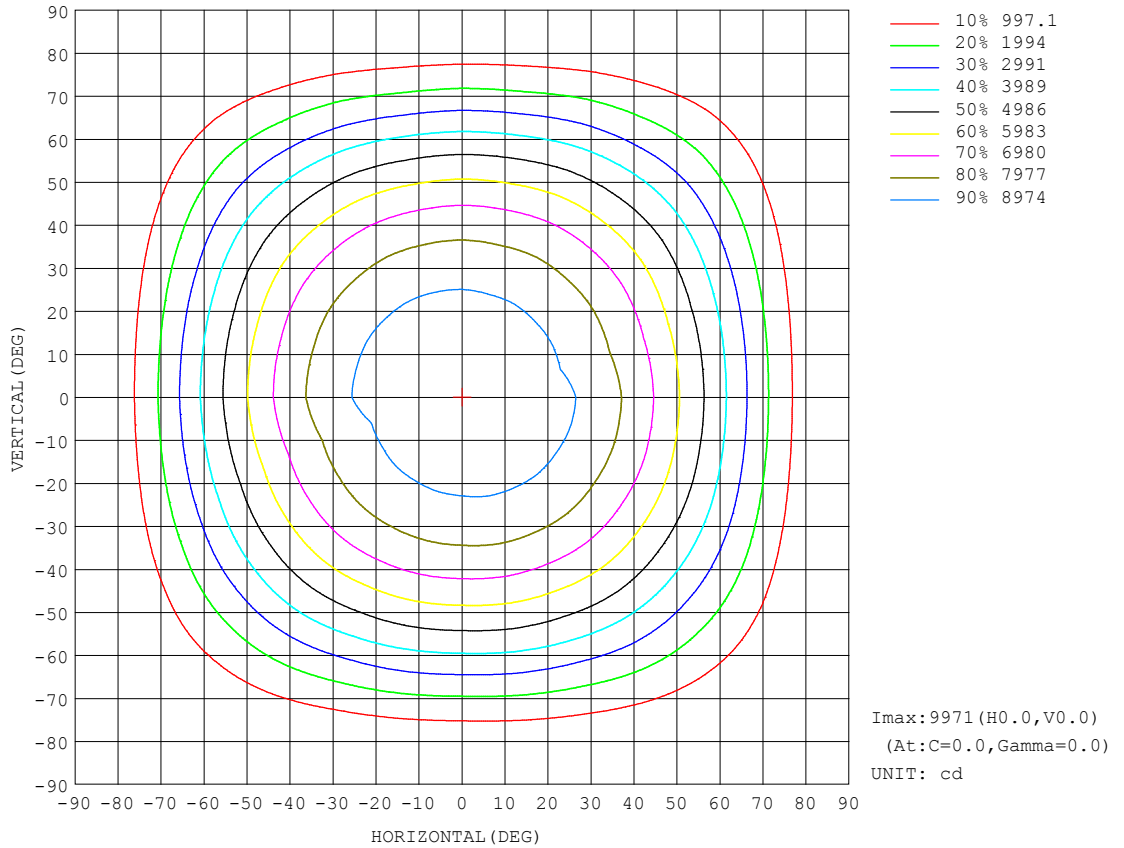
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	58	47	40	56	46	40	33
0.80	69	57	50	68	57	50	66	56	50	43
1.00	77	67	60	76	66	59	74	67	59	52
1.25	85	75	68	83	74	67	80	72	66	59
1.50	90	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	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:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:276.39V I:0.6956A P:192.78W PF:0.9655 Freq:49.99Hz Lamp Flux:27333.3x1 lm		
NAME: ASD-UHB2-200D50W-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

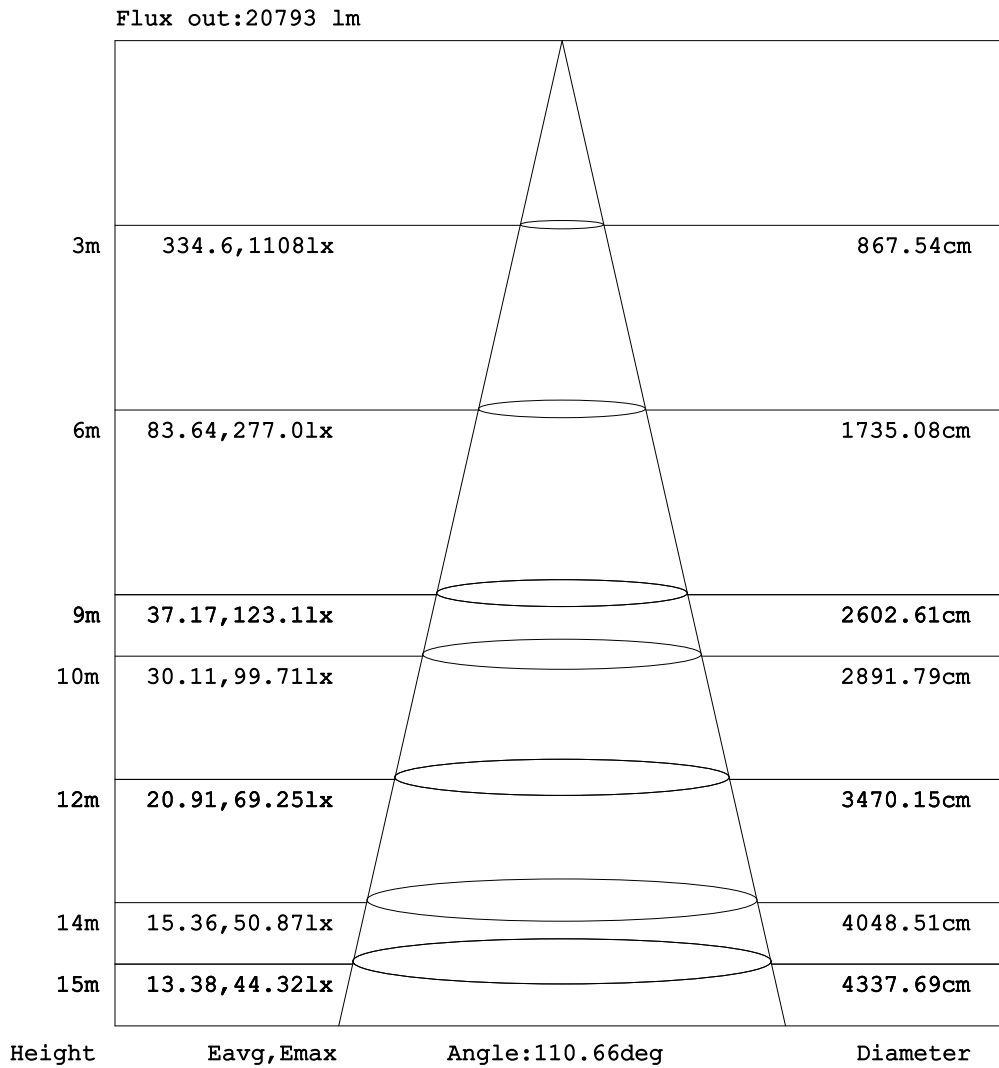


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:276.39V I:0.6956A P:192.78W PF:0.9655 Freq:49.99Hz Lamp Flux:27333.3x1 lm		
NAME: ASD-UHB2-200D50W-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:



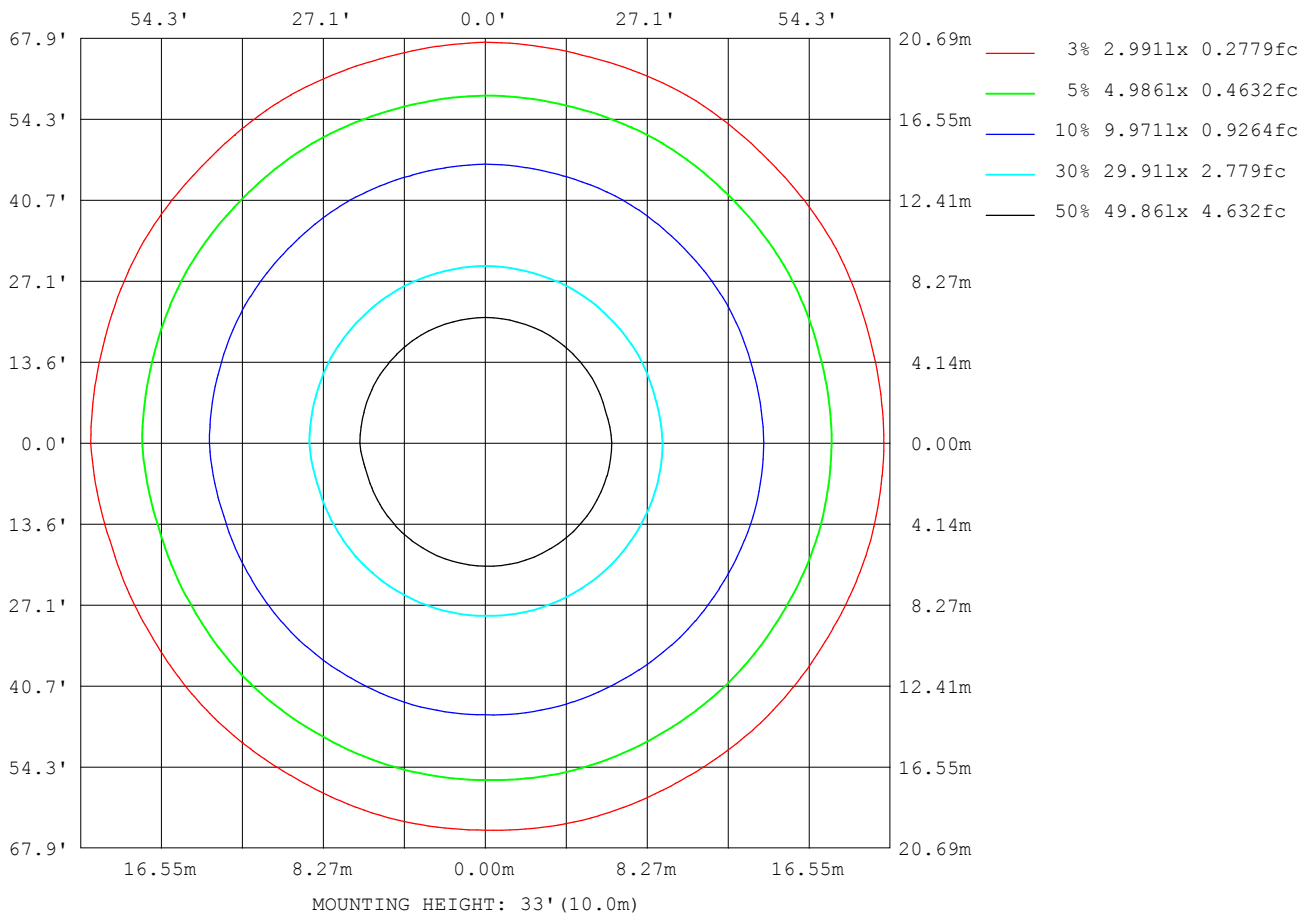
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:276.39V I:0.6956A P:192.78W PF:0.9655 Freq:49.99Hz Lamp Flux:27333.3x1 lm		
NAME: ASD-UHB2-200D50W-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:276.39V I:0.6956A P:192.78W PF:0.9655 Freq:49.99Hz Lamp Flux:27333.3x1 lm		
NAME: ASD-UHB2-200D50W-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

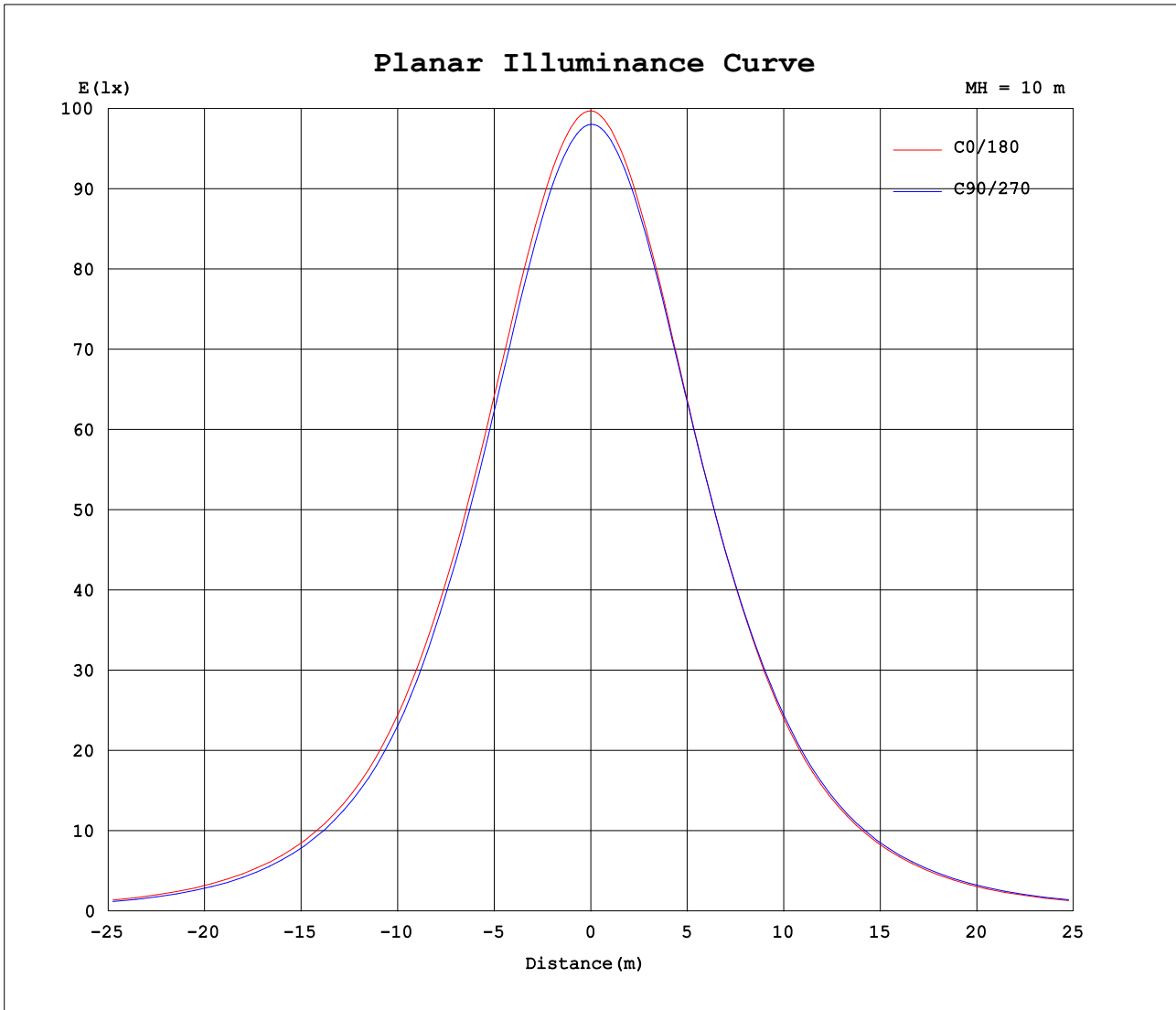
AvgL	cd/m2
L_0~180 (65) av	297380
L_0~180 (75) av	189168
L_0~180 (85) av	43731
L_90~270 (65) av	289607
L_90~270 (75) av	185371
L_90~270 (85) av	49325
L_45 (65) av	290292
L_45 (75) av	183580
L_45 (85) av	47063

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_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:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:276.39V I:0.6956A P:192.78W PF:0.9655 Freq:49.99Hz Lamp Flux:27333.3x1 lm		
NAME: ASD-UHB2-200D50W-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

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	9971	9943	9915	9890	9863	9840	9805	9777	9762	9743	9728	9717	9971	9943	9915	9890	9863	9840	9805
5	9932	9901	9868	9840	9808	9782	9742	9715	9697	9679	9664	9657	9919	9892	9872	9849	9829	9807	9777
10	9823	9791	9753	9724	9688	9661	9619	9592	9572	9556	9539	9535	9799	9772	9760	9738	9723	9701	9676
15	9651	9618	9575	9543	9503	9475	9427	9401	9378	9364	9347	9345	9613	9586	9582	9561	9554	9532	9514
20	9406	9369	9322	9288	9245	9215	9165	9138	9113	9101	9084	9087	9352	9330	9331	9313	9313	9292	9282
25	9086	9048	8993	8961	8911	8883	8827	8801	8773	8765	8745	8755	9020	9000	9009	8994	8998	8982	8977
30	8687	8650	8587	8555	8499	8473	8412	8388	8356	8352	8331	8348	8609	8597	8609	8600	8607	8598	8596
35	8206	8169	8100	8066	8006	7979	7916	7895	7861	7858	7837	7859	8118	8103	8129	8121	8136	8128	8135
40	7641	7599	7517	7476	7405	7374	7303	7289	7253	7263	7246	7280	7542	7527	7566	7559	7586	7574	7595
45	6916	6867	6767	6719	6637	6605	6532	6522	6485	6501	6490	6537	6797	6796	6848	6844	6885	6877	6920
50	6085	6043	5943	5901	5818	5792	5716	5708	5665	5685	5670	5717	5959	5953	6015	6009	6058	6049	6099
55	5222	5180	5072	5040	4956	4932	4853	4847	4795	4821	4803	4855	5092	5084	5147	5130	5197	5179	5243
60	4297	4245	4128	4088	4010	3983	3896	3879	3838	3872	3858	3919	4163	4153	4222	4208	4276	4258	4329
65	3257	3213	3101	3073	2981	2965	2893	2894	2835	2865	2850	2923	3127	3115	3201	3200	3263	3260	3324
70	2265	2220	2114	2079	1996	1977	1904	1906	1858	1886	1877	1935	2134	2122	2211	2216	2284	2275	2349
75	1298	1276	1203	1166	1107	1086	1036	1027	989	1011	1000	1048	1189	1209	1268	1258	1338	1331	1402
80	536	523	472	459	418	408	370	369	345	360	352	382	457	471	522	527	579	578	625
85	115	104	96.3	86.7	74.2	71.5	60.8	61.1	54.6	58.4	56.2	63.6	79.1	93.1	108	121	133	134	158
90	7.94	7.83	8.05	8.13	8.31	8.35	8.54	8.53	8.66	8.54	8.56	8.34	7.40	7.26	6.92	6.90	6.98	7.72	13.0
95	11.7	11.7	12.1	12.1	12.4	12.4	12.7	12.7	12.9	12.7	12.8	12.4	11.6	11.4	10.9	10.7	10.3	10.2	9.89
100	16.7	16.8	17.2	17.3	17.6	17.6	17.9	17.9	18.1	17.9	18.0	17.6	16.9	16.6	16.0	15.8	15.3	15.2	14.8
105	22.7	22.8	23.2	23.3	23.7	23.7	24.1	24.0	24.3	24.1	24.1	23.7	23.2	22.8	22.1	21.8	21.3	21.1	20.6
110	29.4	29.5	30.0	30.1	30.5	30.5	30.9	30.8	31.1	30.9	30.9	30.4	30.1	29.7	28.9	28.6	28.0	27.8	27.2
115	36.5	36.6	37.1	37.1	37.5	37.5	37.9	37.9	38.2	37.9	37.9	37.4	37.2	36.8	36.0	35.7	35.0	34.8	34.1
120	43.6	43.6	44.1	44.1	44.5	44.6	44.9	44.8	45.1	44.9	44.9	44.4	44.4	43.9	43.1	42.7	42.1	41.8	41.2
125	50.4	50.5	50.8	50.9	51.2	51.3	51.5	51.6	51.8	51.6	51.6	51.1	51.2	50.7	50.0	49.5	48.9	48.6	48.0
130	56.7	56.9	57.1	57.2	57.5	57.6	57.8	57.8	57.9	57.8	57.7	57.3	57.6	57.1	56.4	56.0	55.4	55.1	54.5
135	62.6	62.7	63.0	63.0	63.3	63.4	63.5	63.4	63.6	63.5	63.4	63.0	63.6	63.1	62.5	62.1	61.5	61.1	60.6
140	68.1	68.1	68.3	68.4	68.5	68.6	68.6	68.6	68.7	68.6	68.5	68.1	69.2	68.7	68.1	67.6	67.1	66.8	66.2
145	72.9	73.1	73.2	73.2	73.3	73.3	73.3	73.2	73.2	73.2	73.0	72.7	74.2	73.7	73.1	72.7	72.2	71.8	71.4
150	77.6	77.8	77.8	77.8	77.8	77.8	77.6	77.6	77.6	77.5	77.3	77.1	78.9	78.4	77.9	77.4	77.0	76.6	76.1
155	82.5	82.5	82.4	82.4	82.4	82.4	82.1	82.0	82.0	82.0	81.8	81.6	83.4	82.9	82.4	81.9	81.5	81.1	80.6
160	86.9	86.8	86.7	86.6	86.5	86.5	86.2	86.1	86.1	86.0	85.9	85.6	87.7	87.2	86.8	86.3	85.9	85.5	85.0
165	91.0	90.9	90.7	90.7	90.5	90.4	90.0	90.0	89.9	89.9	89.7	89.5	91.6	91.1	90.8	90.3	90.0	89.6	89.1
170	94.7	94.7	94.4	94.3	94.1	94.0	93.6	93.6	93.4	93.4	93.1	93.0	95.1	94.6	94.3	93.9	93.6	93.2	92.8
175	97.9	97.8	97.4	97.4	97.0	96.9	96.5	96.4	96.1	96.0	95.7	95.6	97.9	97.4	97.2	96.7	96.5	96.1	95.8
180	99.6	99.6	99.1	99.0	98.5	98.5	97.7	97.6	97.2	97.2	96.9	96.8	99.8	99.3	99.3	98.8	98.7	98.3	98.1

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:276.39V I:0.6956A P:192.78W PF:0.9655 Freq:49.99Hz Lamp Flux:27333.3x1 lm		
NAME: ASD-UHB2-200D50W-PRM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:1	Shielding Angle:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	9777	9762	9743	9728	9717														
5	9751	9738	9717	9702	9688														
10	9648	9640	9618	9606	9587														
15	9485	9482	9457	9447	9423														
20	9254	9253	9226	9218	9191														
25	8951	8953	8926	8919	8890														
30	8573	8577	8551	8543	8514														
35	8112	8121	8092	8088	8055														
40	7570	7587	7552	7554	7512														
45	6900	6924	6881	6886	6826														
50	6079	6111	6067	6081	6018														
55	5212	5264	5211	5237	5169														
60	4306	4362	4309	4340	4265														
65	3313	3364	3327	3344	3275														
70	2338	2378	2339	2371	2302														
75	1383	1433	1392	1419	1348														
80	611	649	619	637	585														
85	155	167	151	159	137														
90	11.7	17.7	12.9	15.1	8.55														
95	9.87	9.63	9.76	9.68	9.96														
100	14.7	14.4	14.6	14.5	14.8														
105	20.5	20.2	20.4	20.3	20.7														
110	27.1	26.7	26.9	26.8	27.2														
115	34.1	33.7	33.9	33.7	34.2														
120	41.0	40.6	40.8	40.7	41.1														
125	47.7	47.4	47.6	47.4	47.8														
130	54.2	53.8	54.0	53.9	54.2														
135	60.2	59.8	60.0	59.9	60.2														
140	65.8	65.5	65.6	65.5	65.7														
145	70.9	70.6	70.6	70.6	70.7														
150	75.6	75.3	75.3	75.3	75.4														
155	80.1	79.8	79.7	79.7	79.8														
160	84.5	84.2	84.1	84.0	84.1														
165	88.6	88.3	88.2	88.1	88.1														
170	92.2	92.0	91.7	91.6	91.6														
175	95.2	95.0	94.7	94.6	94.5														
180	97.4	97.3	97.0	97.0	96.8														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:C
 Test Date:06 September 2020

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: