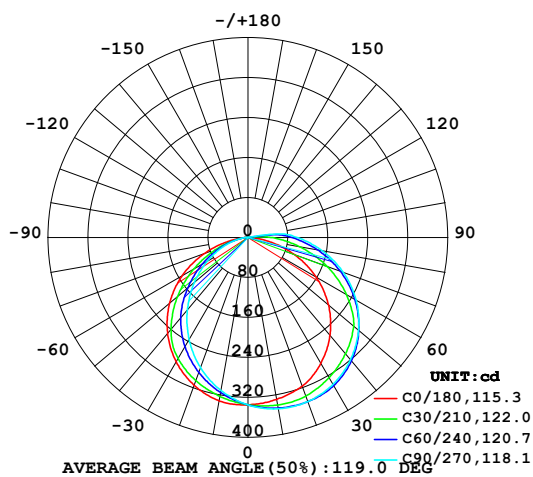


LUMINAIRE PHOTOMETRIC TEST REPORT

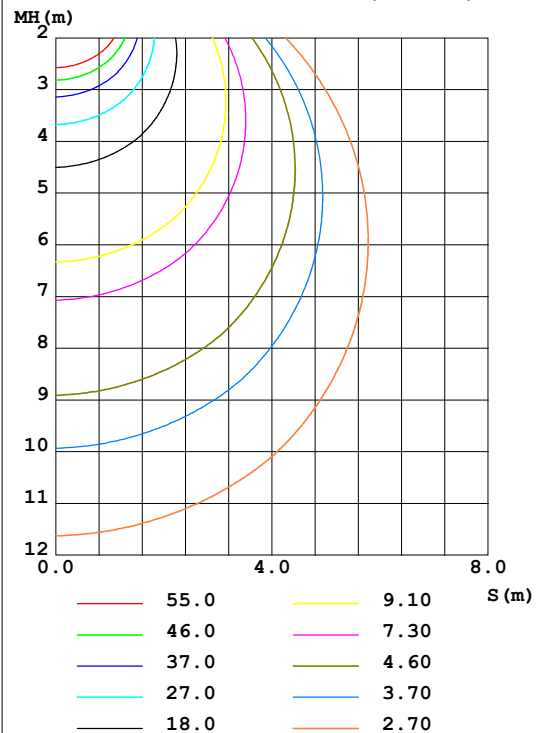
Test:U:120.18V I:0.1397A P:15.724W PF:0.9368 Freq:59.98Hz Lamp Flux:1121.39x1 lm		
NAME: ASD-UCB-32D16CC-WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 71.32 lm/W			
MODEL	ASD-UCB-32D16CC-WH	I _{max} (cd)	351.9	S/MH (C0/180)	1.39
NOMINAL POWER (W)	16	LOR (%)	100.0	S/MH (C90/270)	1.20
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1121.4	h UP,DN (C0-180)	2.0,61.2
NOMINAL FLUX (lm)	1121.39	CIE CLASS	DIRECT	h UP,DN (C180-360)	0.2,36.5
LAMPS INSIDE	1	h up (%)	2.2	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	120	h down (%)	97.8	CIBSE SHR MAX	1.55

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: LiuLiwen
Test Date: 2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 3.010m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

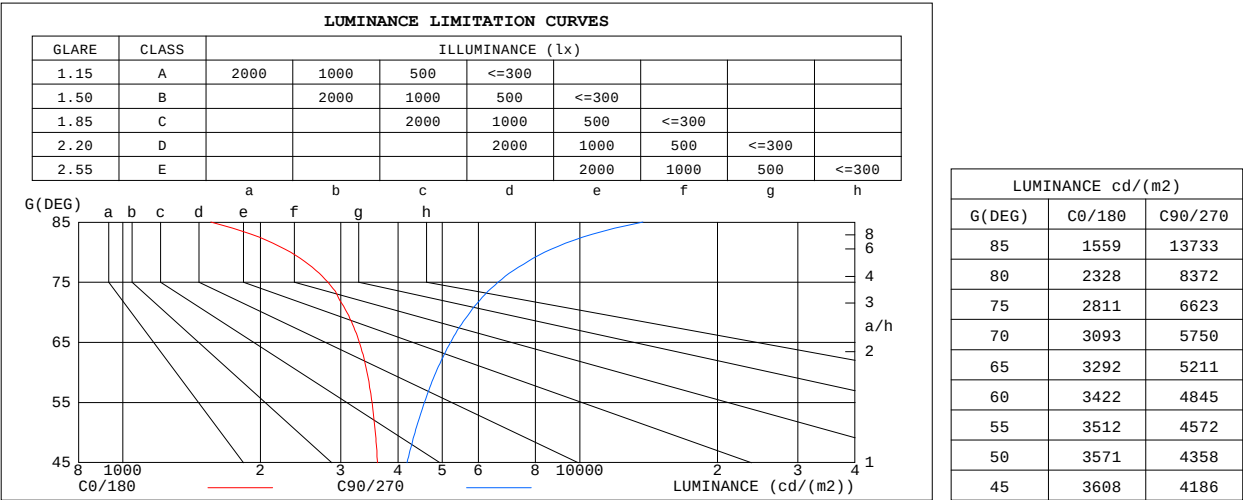
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lamp
10	329.0	344.1	347.9	345.0	332.1	318.8	311.1	317.7	0~ 10	31.76	31.76	2.83
20	317.0	346.2	349.6	347.9	314.9	295.6	277.4	294.2	10~ 20	91.95	123.7	11
30	291.5	339.5	339.7	344.5	287.5	264.9	235.7	262.3	20~ 30	142.0	265.7	23.7
40	255.6	319.7	319.4	332.7	250.5	226.2	189.0	219.4	30~ 40	175.7	441.4	39.4
50	210.6	292.5	288.9	300.9	204.7	174.6	140.3	171.2	40~ 50	187.6	629.0	56.1
60	157.0	256.5	249.8	251.7	151.5	115.6	93.20	118.2	50~ 60	175.9	805.0	71.8
70	97.05	199.9	202.8	194.7	91.81	62.11	51.20	64.24	60~ 70	143.3	948.3	84.6
80	37.08	136.4	149.9	131.5	32.36	20.38	18.46	21.71	70~ 80	97.06	1045	93.2
90	0.5945	77.53	98.93	73.27	0.2925	0.7585	1.016	0.9376	80~ 90	51.11	1096	97.8
100	0.5372	3.708	18.88	0.4798	0.4566	1.082	1.267	1.021	90~100	20.37	1117	99.6
110	0.6329	0.6247	0.5805	0.6074	0.5549	1.134	1.368	1.074	100~110	1.273	1118	99.7
120	0.6985	0.7344	0.7221	0.7007	0.6147	1.072	1.340	1.030	110~120	0.8162	1119	99.8
130	0.7216	0.7998	0.7903	0.7629	0.6195	0.9789	1.146	0.9561	120~130	0.7502	1120	99.8
140	0.7076	0.8546	0.8292	0.8141	0.6091	0.9230	1.027	0.8956	130~140	0.6376	1120	99.9
150	0.6553	0.8746	0.8753	0.8322	0.5656	0.8213	0.9465	0.8282	140~150	0.5020	1121	99.9
160	0.5827	0.8563	0.8343	0.7801	0.4901	0.6843	0.7626	0.7244	150~160	0.3443	1121	100
170	0.5513	0.8388	0.7830	0.7495	0.4688	0.6321	0.6895	0.7343	160~170	0.1915	1121	100
180	0.5721	0.8118	0.8661	0.8221	0.5753	0.8165	0.8621	0.8201	170~180	0.0657	1121	100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LiuLiwen
Test Date:2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.18V I:0.1397A P:15.724W PF:0.9368 Freq:59.98Hz Lamp Flux:1121.39x1 lm		
NAME: ASD-UCB-32D16CC-WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



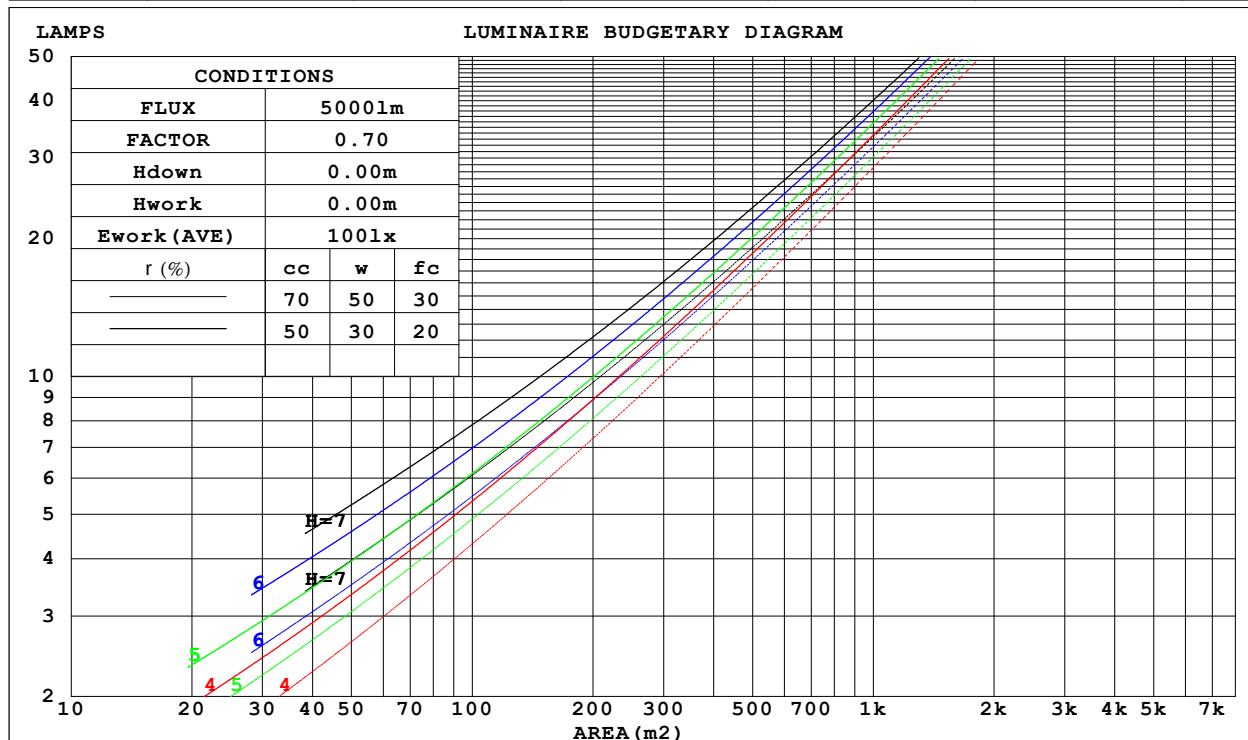
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LiuLiwen
Test Date:2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.18V I:0.1397A P:15.724W PF:0.9368 Freq:59.98Hz Lamp Flux:1121.39x1 lm		
NAME: ASD-UCB-32D16CC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	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	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.01	.96	.92	.99	.94	.90	.94	.90	.87	.90	.87	.84	.86	.83	.81	.79
2.0	.87	.80	.74	.85	.78	.73	.81	.76	.71	.78	.73	.69	.74	.70	.67	.64
3.0	.76	.68	.61	.74	.66	.60	.71	.64	.58	.68	.62	.57	.65	.60	.56	.53
4.0	.67	.58	.51	.66	.57	.50	.63	.55	.49	.60	.54	.48	.58	.52	.48	.45
5.0	.60	.50	.43	.59	.50	.43	.56	.48	.42	.54	.47	.42	.52	.46	.41	.39
6.0	.54	.44	.38	.53	.44	.37	.51	.43	.37	.49	.42	.36	.47	.41	.36	.34
7.0	.49	.40	.33	.48	.39	.33	.46	.38	.33	.44	.37	.32	.43	.36	.32	.30
8.0	.44	.35	.29	.43	.35	.29	.42	.34	.29	.40	.34	.29	.39	.33	.28	.26
9.0	.41	.32	.26	.40	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.25	.24
10.0	.37	.29	.24	.37	.29	.24	.36	.28	.24	.34	.28	.23	.33	.27	.23	.21



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LiuLiwen
Test Date: 2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 3.010m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.18V I:0.1397A P:15.724W PF:0.9368 Freq:59.98Hz Lamp Flux:1121.39x1 lm		
NAME: ASD-UCB-32D16CC-WH	TYPE:	WEIGHT:
SPEC.:5000K	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	.349	.198	.063	.341	.195	.062	.326	.187	.060	.313	.180	.058	.300	.174	.056															
2.0	.316	.173	.053	.309	.170	.052	.296	.164	.051	.284	.159	.050	.272	.154	.049															
3.0	.286	.152	.046	.280	.150	.045	.269	.146	.044	.258	.141	.043	.248	.137	.042															
4.0	.261	.136	.040	.256	.134	.040	.245	.130	.039	.236	.127	.038	.227	.123	.038															
5.0	.240	.122	.035	.235	.120	.035	.225	.117	.035	.217	.114	.034	.209	.112	.034															
6.0	.221	.111	.032	.216	.109	.031	.208	.107	.031	.200	.104	.031	.193	.102	.030															
7.0	.205	.101	.029	.201	.100	.028	.193	.098	.028	.186	.095	.028	.180	.093	.027															
8.0	.190	.093	.026	.187	.092	.026	.180	.090	.026	.174	.088	.025	.168	.086	.025															
9.0	.178	.086	.024	.175	.085	.024	.169	.083	.024	.163	.082	.023	.158	.080	.023															
10.0	.167	.080	.022	.164	.079	.022	.159	.078	.022	.153	.076	.022	.148	.075	.021															

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
R _{CR}	R _{CR} :Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.207	.207	.207	.177	.177	.177	.121	.121	.121	.070	.070	.070	.022	.022	.022	
1.0	.200	.173	.148	.171	.148	.128	.117	.102	.088	.067	.059	.051	.022	.019	.017	
2.0	.193	.149	.112	.165	.128	.097	.113	.089	.068	.065	.052	.040	.021	.017	.013	
3.0	.185	.132	.089	.159	.114	.077	.109	.079	.054	.063	.046	.032	.020	.015	.010	
4.0	.177	.119	.074	.152	.103	.064	.105	.071	.045	.060	.042	.027	.019	.014	.009	
5.0	.170	.108	.063	.146	.094	.055	.100	.066	.039	.058	.038	.023	.019	.013	.008	
6.0	.162	.100	.056	.139	.087	.048	.096	.061	.034	.056	.036	.020	.018	.012	.007	
7.0	.155	.093	.050	.133	.081	.044	.092	.057	.031	.054	.033	.018	.017	.011	.006	
8.0	.148	.088	.046	.128	.076	.040	.088	.053	.028	.051	.031	.017	.017	.010	.006	
9.0	.142	.083	.042	.122	.072	.037	.085	.050	.026	.049	.030	.016	.016	.010	.005	
10.0	.136	.078	.040	.118	.068	.035	.082	.048	.025	.048	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LiuLiwen
Test Date:2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.18V I:0.1397A P:15.724W PF:0.9368 Freq:59.98Hz Lamp Flux:1121.39x1 lm											
NAME: ASD-UCB-32D16CC-WH					TYPE:			WEIGHT:			
SPEC.:5000K					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	18.1	19.7	18.4	19.9	20.2	19.2	20.7	19.5	21.0	21.2	
	3H	19.8	21.2	20.1	21.5	21.8	21.5	23.0	21.9	23.3	23.6
	4H	20.4	21.7	20.7	22.0	22.4	22.8	24.2	23.1	24.5	24.8
	6H	20.8	22.1	21.2	22.4	22.7	24.1	25.4	24.4	25.7	26.0
	8H	20.9	22.2	21.3	22.5	22.8	24.8	26.0	25.1	26.3	26.7
	12H	20.9	22.2	21.3	22.5	22.8	25.5	26.7	25.9	27.1	27.4
4H	2H	19.2	20.6	19.6	20.9	21.2	20.0	21.4	20.3	21.7	22.0
	3H	21.2	22.4	21.5	22.7	23.1	22.6	23.8	22.9	24.1	24.5
	4H	22.0	23.1	22.4	23.5	23.8	24.0	25.1	24.4	25.4	25.8
	6H	22.6	23.6	23.0	24.0	24.4	25.4	26.4	25.9	26.8	27.2
	8H	22.8	23.7	23.2	24.1	24.6	26.2	27.2	26.7	27.6	28.0
	12H	22.9	23.7	23.4	24.2	24.6	27.1	28.0	27.6	28.4	28.8
8H	4H	22.8	23.8	23.3	24.2	24.6	24.4	25.3	24.9	25.8	26.2
	6H	23.8	24.6	24.3	25.0	25.5	26.2	27.0	26.7	27.4	27.9
	8H	24.2	24.9	24.7	25.3	25.8	27.2	27.8	27.6	28.3	28.8
	12H	24.4	25.1	25.0	25.5	26.1	28.3	28.9	28.8	29.4	29.9
12H	4H	23.0	23.9	23.5	24.3	24.8	24.5	25.3	24.9	25.8	26.2
	6H	24.2	24.9	24.7	25.4	25.9	26.3	27.0	26.8	27.5	28.0
	8H	24.7	25.3	25.2	25.8	26.3	27.4	28.0	27.9	28.5	29.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.6					+ 0.2 / - 0.4					

CIE Pub.117, 1121 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.4$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LiuLiwen
Test Date:2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.18V I:0.1397A P:15.724W PF:0.9368 Freq:59.98Hz Lamp Flux:1121.39x1 lm		
NAME: ASD-UCB-32D16CC-WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

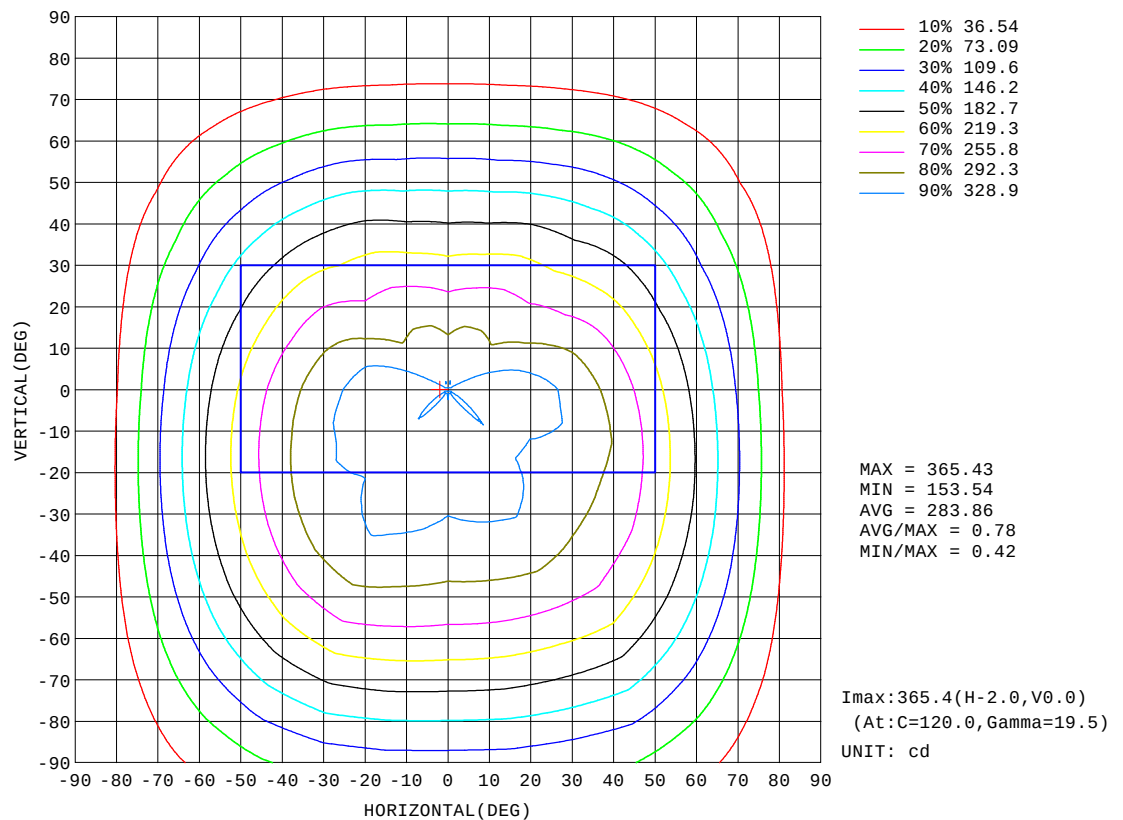
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	54	42	35	54	42	35	52	42	35	28
0.80	64	52	44	63	52	44	61	51	44	36
1.00	72	61	53	71	60	53	69	61	52	44
1.25	80	68	60	78	67	60	75	66	59	51
1.50	85	74	66	83	73	66	80	71	65	56
2.00	92	82	75	90	81	74	86	78	73	64
2.50	96	87	80	94	86	79	89	83	77	68
3.00	99	92	85	97	90	84	93	87	82	73
4.00	104	97	92	101	95	90	96	92	87	78
5.00	106	101	96	104	99	94	99	95	91	81
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:LiuLiwen
Test Date:2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.18V I:0.1397A P:15.724W PF:0.9368 Freq:59.98Hz Lamp Flux:1121.39x1 lm		
NAME: ASD-UCB-32D16CC-WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



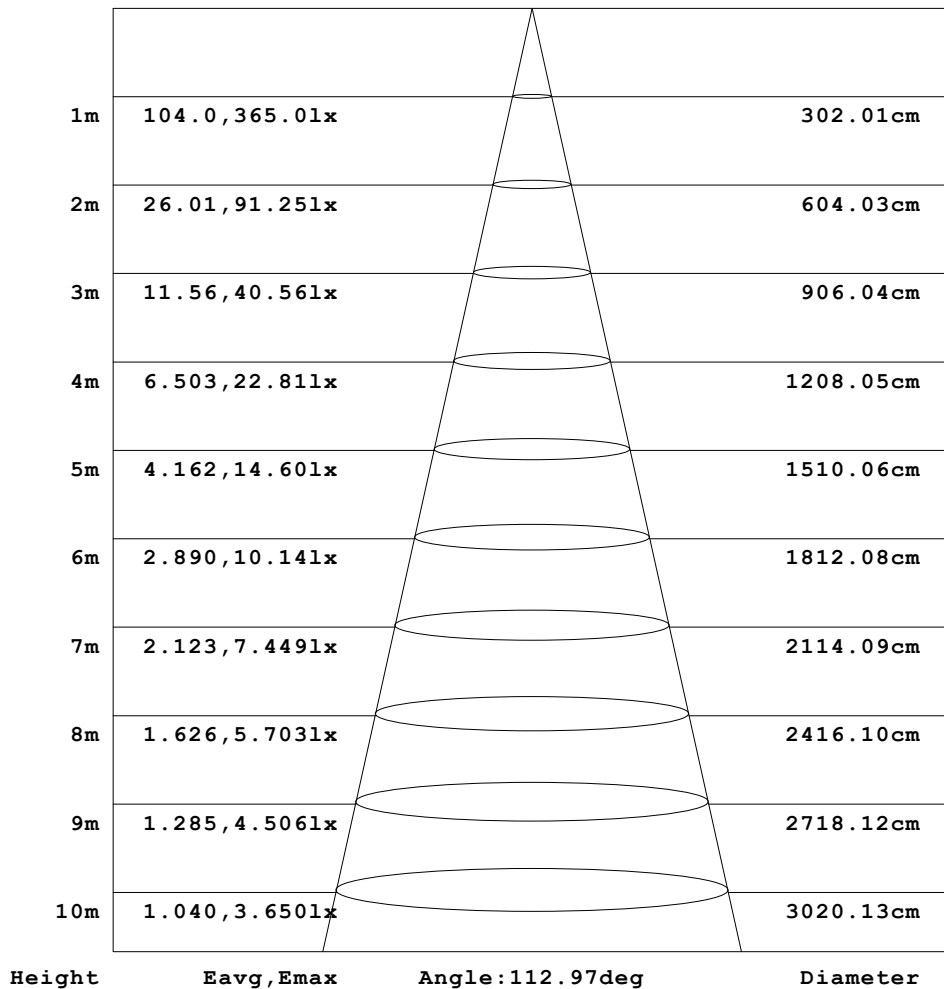
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LiuLiwen
Test Date:2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.18V I:0.1397A P:15.724W PF:0.9368 Freq:59.98Hz Lamp Flux:1121.39x1 lm		
NAME: ASD-UCB-32D16CC-WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Flux out:746.1 lm



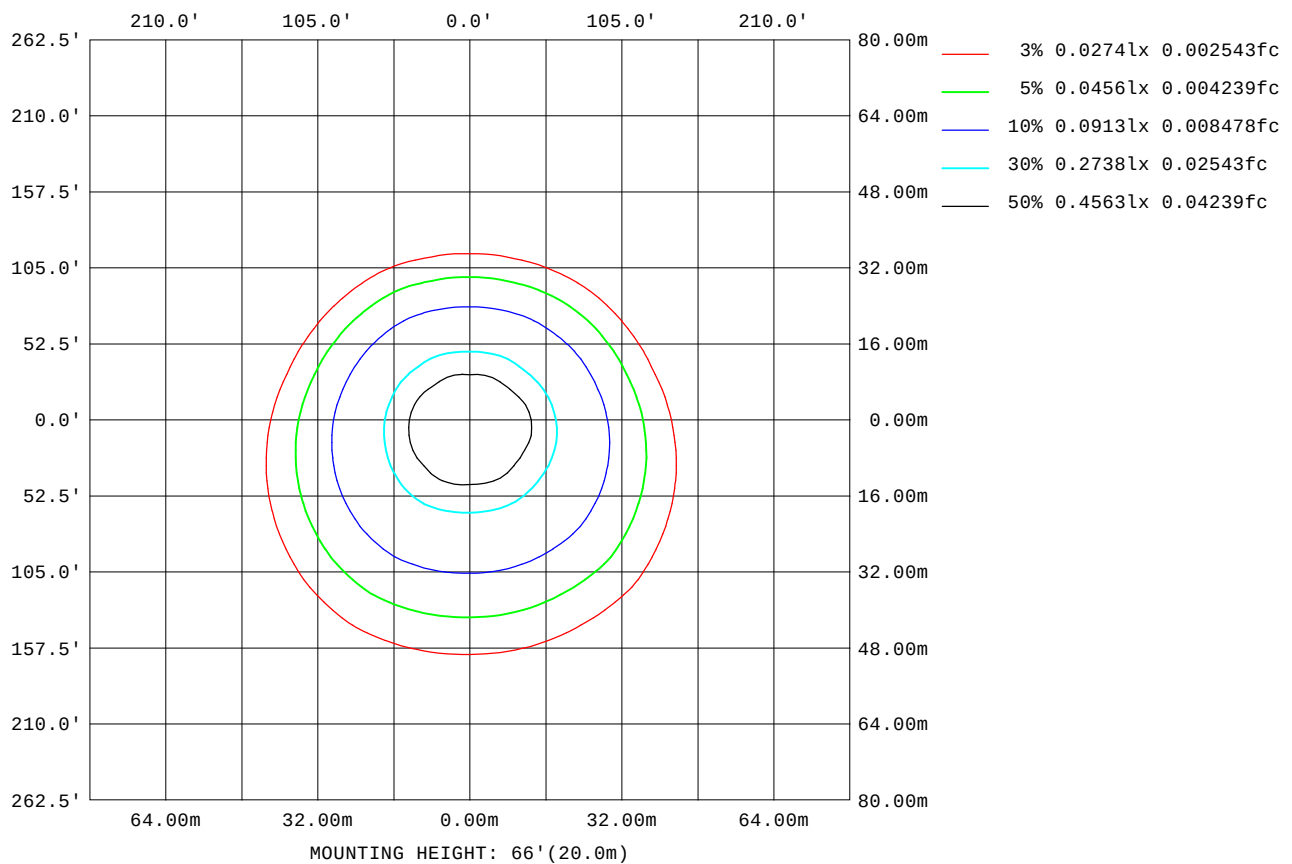
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LiuLiwen
Test Date: 2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 3.010m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:120.18V I:0.1397A P:15.724W PF:0.9368 Freq:59.98Hz Lamp Flux:1121.39x1 lm		
NAME: ASD-UCB-32D16CC-WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LiuLiwen
 Test Date: 2022-12-07

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 3.010m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.18V I:0.1397A P:15.724W PF:0.9368 Freq:59.98Hz Lamp Flux:1121.39x1 lm		
NAME: ASD-UCB-32D16CC-WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

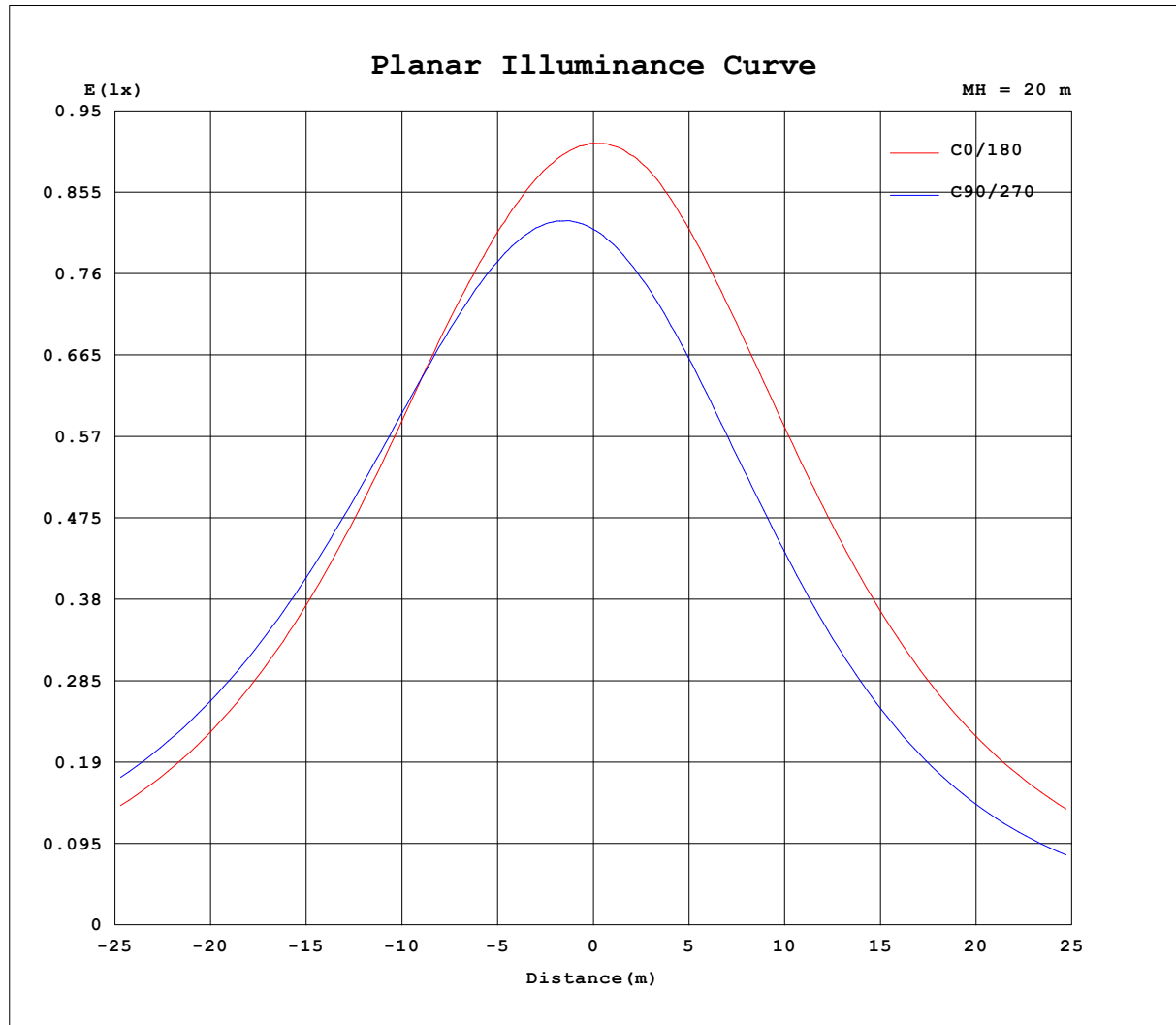
AvgL	cd/m2
L_0~180 (65) av	2955
L_0~180 (75) av	2470
L_0~180 (85) av	1259
L_90~270 (65) av	3530
L_90~270 (75) av	4059
L_90~270 (85) av	7504
L_45 (65) av	3741
L_45 (75) av	3979
L_45 (85) av	6334

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LiuLiwen
Test Date:2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LiuLiwen
Test Date: 2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 3.010m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.18V I:0.1397A P:15.724W PF:0.9368 Freq:59.98Hz Lamp Flux:1121.39x1 lm		
NAME: ASD-UCB-32D16CC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335	335
5	333	335	338	340	342	342	343	343	342	341	339	337	335	333	329	328	326	325	324
10	329	333	340	344	347	346	348	348	347	345	341	338	332	329	323	319	315	312	311
15	324	329	341	346	349	348	350	350	351	347	342	337	325	322	315	308	302	297	296
20	317	324	338	346	350	347	350	349	352	348	342	331	315	312	305	296	288	279	277
25	306	317	332	345	348	343	346	346	351	347	341	320	303	298	293	281	271	259	257
30	292	309	324	340	343	336	340	339	348	345	337	307	288	281	280	265	253	237	236
35	275	298	315	331	334	326	331	330	342	340	330	292	270	261	263	247	232	214	213
40	256	281	304	320	322	314	319	318	334	333	314	274	250	239	240	226	210	190	189
45	234	261	291	307	307	300	305	304	321	322	294	254	229	215	213	203	185	166	165
50	211	239	276	292	289	284	289	288	303	301	272	232	205	189	184	175	158	141	140
55	185	215	254	276	269	265	270	269	282	277	247	207	179	161	154	145	131	117	116
60	157	189	227	256	247	244	250	248	259	252	221	181	152	132	124	116	105	93.2	93.2
65	128	160	199	229	222	221	227	225	233	224	192	153	122	101	94.2	88.2	79.7	71.6	71.3
70	97.1	130	168	200	196	197	203	201	205	195	162	123	91.8	72.2	66.0	62.1	56.7	51.3	51.2
75	66.8	98.6	136	168	169	172	177	174	176	163	130	92.4	61.1	44.3	40.8	39.1	36.4	33.2	33.4
80	37.1	67.5	104	136	141	145	150	147	147	132	98.3	62.0	32.4	21.0	20.4	20.4	19.6	18.1	18.5
85	12.5	38.9	73.6	105	113	119	123	120	117	101	69.1	34.6	9.47	5.70	6.49	7.15	7.31	7.09	7.38
90	0.59	17.8	47.8	77.5	88.4	95.2	98.9	95.9	90.6	73.3	43.7	14.8	0.29	0.40	0.57	0.76	0.83	0.91	1.02
95	0.47	1.42	17.8	49.6	64.2	73.1	77.2	72.9	64.1	42.5	10.5	0.86	0.37	0.52	0.73	0.93	1.02	1.07	1.11
100	0.54	0.48	0.47	3.71	11.0	18.9	18.9	18.2	9.25	0.48	0.48	0.49	0.46	0.61	0.86	1.08	1.16	1.21	1.27
105	0.59	0.54	0.55	0.54	0.51	0.49	0.49	0.48	0.50	0.54	0.55	0.54	0.52	0.67	0.91	1.13	1.23	1.29	1.35
110	0.63	0.59	0.61	0.62	0.59	0.57	0.58	0.57	0.58	0.61	0.59	0.58	0.55	0.69	0.91	1.13	1.23	1.29	1.37
115	0.66	0.63	0.66	0.68	0.65	0.63	0.65	0.62	0.64	0.66	0.65	0.62	0.59	0.70	0.91	1.09	1.21	1.27	1.36
120	0.70	0.66	0.70	0.73	0.71	0.70	0.72	0.69	0.69	0.70	0.69	0.65	0.61	0.71	0.90	1.07	1.14	1.25	1.34
125	0.71	0.69	0.75	0.77	0.75	0.75	0.77	0.73	0.72	0.74	0.71	0.66	0.62	0.70	0.88	1.03	1.07	1.17	1.25
130	0.72	0.72	0.79	0.80	0.78	0.76	0.79	0.75	0.75	0.76	0.75	0.67	0.62	0.70	0.88	0.98	1.02	1.07	1.15
135	0.73	0.73	0.81	0.83	0.79	0.80	0.83	0.77	0.76	0.79	0.77	0.68	0.62	0.68	0.85	0.95	0.95	1.01	1.12
140	0.71	0.74	0.83	0.85	0.81	0.80	0.83	0.77	0.78	0.81	0.79	0.68	0.61	0.67	0.82	0.92	0.92	0.94	1.03
145	0.69	0.74	0.84	0.86	0.84	0.83	0.87	0.80	0.81	0.82	0.79	0.66	0.59	0.63	0.79	0.85	0.90	0.92	1.01
150	0.66	0.72	0.82	0.87	0.84	0.85	0.88	0.81	0.81	0.83	0.76	0.64	0.57	0.58	0.72	0.82	0.82	0.85	0.95
155	0.62	0.70	0.81	0.88	0.85	0.84	0.86	0.80	0.81	0.81	0.75	0.62	0.52	0.55	0.68	0.74	0.79	0.80	0.86
160	0.58	0.69	0.78	0.86	0.84	0.84	0.83	0.78	0.77	0.78	0.70	0.59	0.49	0.51	0.59	0.68	0.66	0.70	0.76
165	0.55	0.66	0.76	0.83	0.83	0.81	0.79	0.74	0.75	0.74	0.67	0.55	0.46	0.49	0.55	0.64	0.66	0.64	0.68
170	0.55	0.64	0.79	0.84	0.80	0.79	0.78	0.71	0.71	0.75	0.68	0.55	0.47	0.51	0.59	0.63	0.60	0.60	0.69
175	0.57	0.65	0.78	0.84	0.81	0.84	0.82	0.74	0.75	0.79	0.70	0.58	0.51	0.57	0.64	0.69	0.65	0.65	0.72
180	0.57	0.65	0.75	0.81	0.76	0.79	0.87	0.78	0.76	0.82	0.76	0.62	0.58	0.65	0.76	0.82	0.76	0.79	0.86

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LiuLiwen
Test Date:2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.18V I:0.1397A P:15.724W PF:0.9368 Freq:59.98Hz Lamp Flux:1121.39x1 lm		
NAME: ASD-UCB-32D16CC-WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) g (DEG)	285	300	315	330	345													
0	335	335	335	335	335													
5	324	326	327	329	330													
10	311	315	318	322	324													
15	295	302	307	313	316													
20	278	287	294	302	306													
25	257	270	280	288	294													
30	236	250	262	271	281													
35	213	228	242	253	263													
40	189	206	219	234	242													
45	164	181	196	212	218													
50	140	154	171	188	192													
55	115	128	146	158	165													
60	92.2	102	118	128	136													
65	71.0	78.1	90.7	97.8	106													
70	50.8	55.8	64.2	69.1	76.3													
75	33.0	36.0	40.9	43.3	47.8													
80	18.1	19.8	21.7	22.2	23.6													
85	7.25	7.67	8.00	7.58	6.98													
90	1.00	1.10	0.94	0.92	0.54													
95	1.05	0.97	0.87	0.67	0.47													
100	1.18	1.12	1.02	0.80	0.57													
105	1.27	1.19	1.07	0.85	0.62													
110	1.27	1.18	1.07	0.85	0.63													
115	1.25	1.18	1.05	0.85	0.65													
120	1.23	1.12	1.03	0.84	0.67													
125	1.15	1.05	0.99	0.85	0.67													
130	1.06	1.00	0.96	0.86	0.69													
135	1.01	0.93	0.93	0.84	0.68													
140	0.95	0.92	0.90	0.82	0.67													
145	0.94	0.89	0.85	0.78	0.65													
150	0.86	0.82	0.83	0.73	0.61													
155	0.80	0.79	0.75	0.71	0.59													
160	0.74	0.71	0.72	0.65	0.57													
165	0.71	0.73	0.70	0.65	0.55													
170	0.69	0.69	0.73	0.69	0.56													
175	0.75	0.72	0.75	0.72	0.60													
180	0.78	0.76	0.82	0.76	0.62													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LiuLiwen
Test Date:2022-12-07

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.0000]
Remarks: