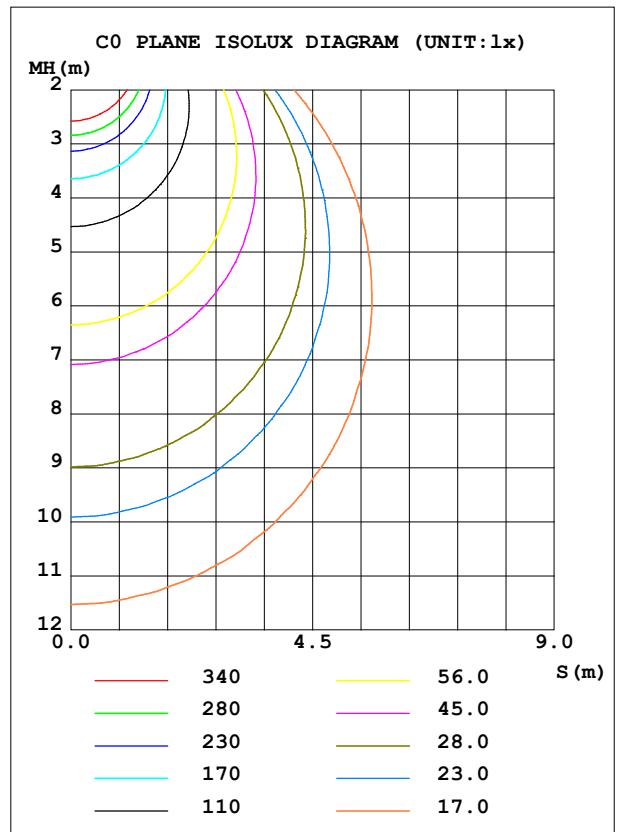
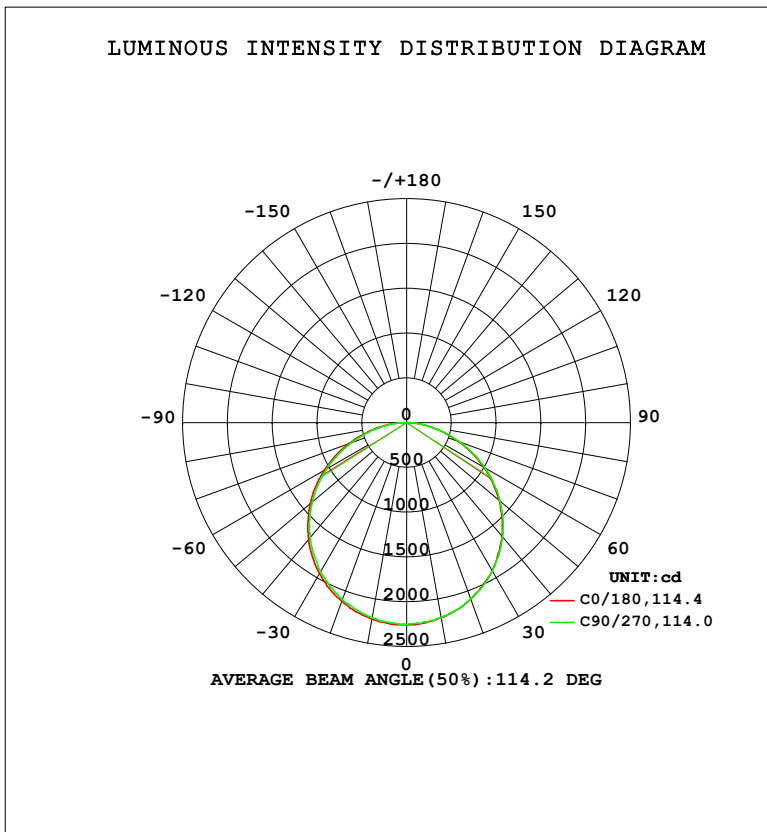


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:276.86V I:0.1909A P:51.872W PF:0.9919 Freq:50.01Hz		
UTHDi:0.27% ITHDi:7.74% KDisp:0.9901 Lamp Flux:6588.75x1 lm		
NAME: ASD-BLP-24A50	TYPE: 50W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 1.16*0.56	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	ASD-BLP-24A50	Imax (cd)	2260	S/MH (C0/180)	1.26
NOMINAL POWER (W)	50	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	277	TOTAL FLUX (lm)	6588.7	<input type="checkbox"/> UP, DN (C0-180)	0.0,49.7
NOMINAL FLUX (lm)	6588.75	CIE CLASS	DIRECT	<input type="checkbox"/> UP, DN (C180-360)	0.0,50.3
LAMPS INSIDE	1	<input type="checkbox"/> up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	277	<input type="checkbox"/> down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-28

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
 Test Distance:9.600m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	2212	2207	2213	2215	2229	2217	2214	2205	0- 10	212.9	212.9	3.23,3.23
20	2097	2091	2093	2101	2121	2111	2105	2087	10- 20	611.2	824.1	12.5,12.5
30	1910	1902	1917	1928	1947	1932	1922	1908	20- 30	930.0	1754	26.6,26.6
40	1659	1657	1668	1685	1704	1689	1677	1657	30- 40	1128	2882	43.7,43.7
50	1349	1346	1360	1379	1406	1392	1374	1357	40- 50	1178	4061	61.6,61.6
60	996.6	995.1	1010	1034	1060	1048	1029	1007	50- 60	1073	5133	77.9,77.9
70	618.8	616.8	633.5	657.2	686.1	673.8	654.6	632.3	60- 70	826.3	5960	90.5,90.5
80	258.7	255.4	270.5	291.2	320.1	308.8	291.9	271.1	70- 80	486.9	6447	97.8,97.8
90	3.501	4.191	3.907	9.658	21.00	19.00	9.799	5.848	80- 90	142.1	6589	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3475.1 lm

%lum = 52.7%

%lamp = 52.7%

Conical surface Flux(130deg): 5584.8 lm

%lum = 84.8%

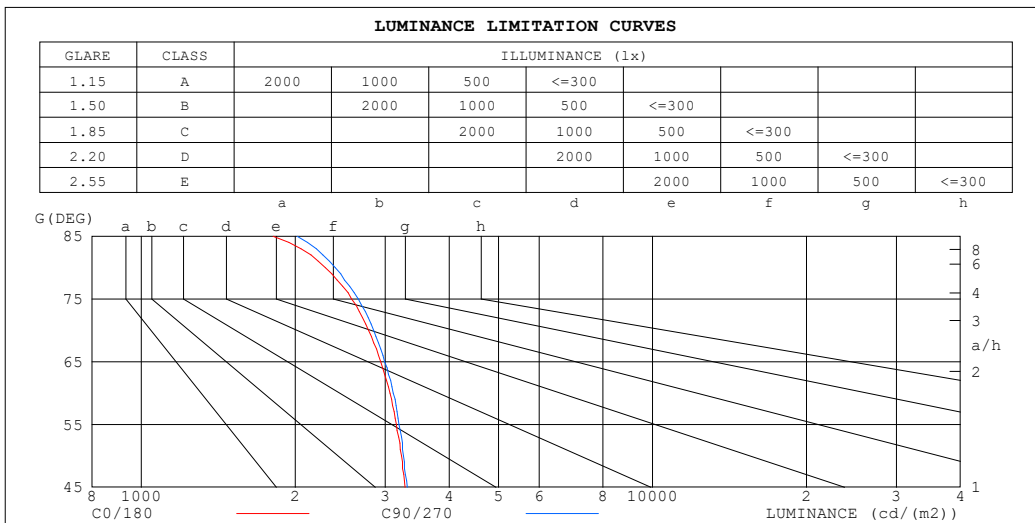
%lamp = 84.8%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-28

□ Range: 0 - 90DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
 Test Distance:9.600m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:276.86V I:0.1909A P:51.872W PF:0.9919 Freq:50.01Hz UTHDi:0.27% ITHDi:7.74% KDisp:0.9901 Lamp Flux:6588.75x1 lm		
NAME: ASD-BLP-24A50	TYPE: 50W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 1.16*0.56	Shielding Angle:



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	1811	2017
80	2292	2397
75	2579	2658
70	2783	2850
65	2940	2992
60	3066	3107
55	3153	3191
50	3229	3255
45	3280	3313

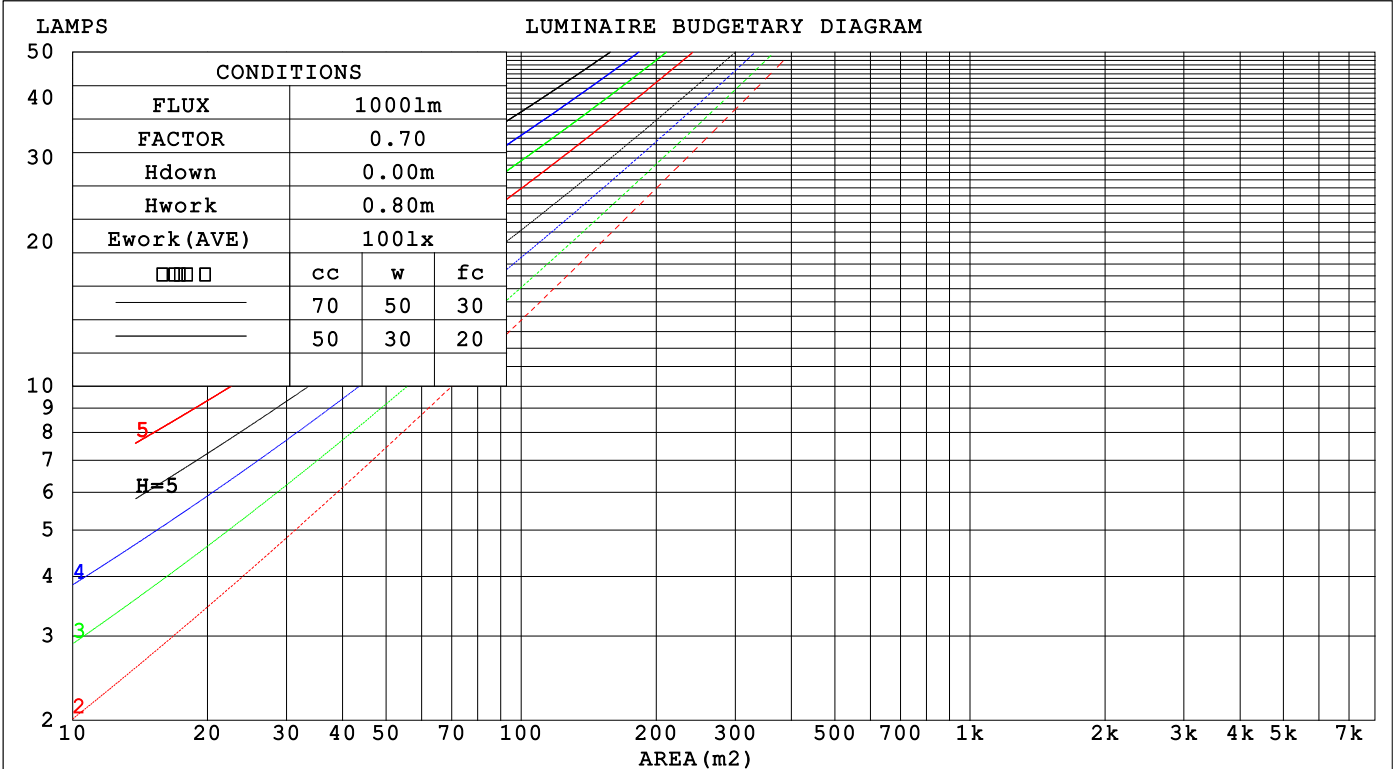
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-28

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
 Test Distance:9.600m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:276.86V I:0.1909A P:51.872W PF:0.9919 Freq:50.01Hz		
UTHDi:0.27% ITHDi:7.74% KDisp:0.9901 Lamp Flux:6588.75x1 lm		
NAME: ASD-BLP-24A50	TYPE: 50W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 1.16*0.56	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.74	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-28

□ Range: 0 - 90DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
 Test Distance:9.600m [K=1.0000]  
 Remarks:

**WEC AND CCEC**

Test:U:276.86V I:0.1909A P:51.872W PF:0.9919 Freq:50.01Hz		
UTHDi:0.27% ITHDi:7.74% KDisp:0.9901 Lamp Flux:6588.75x1 lm		
NAME: ASD-BLP-24A50	TYPE: 50W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 1.16*0.56	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Wall Exitance Coefficients(WEC)			
0.0						
1.0	.316 .179 .057	.308 .176 .056	.295 .169 .054	.283 .163 .052	.272 .157 .051	
2.0	.296 .162 .050	.289 .159 .049	.278 .154 .048	.267 .150 .047	.257 .145 .046	
3.0	.273 .145 .044	.268 .143 .043	.257 .139 .042	.248 .136 .042	.239 .132 .041	
4.0	.252 .131 .038	.247 .129 .038	.237 .126 .038	.229 .123 .037	.221 .120 .037	
5.0	.232 .118 .034	.228 .117 .034	.220 .114 .034	.212 .112 .033	.205 .110 .033	
6.0	.215 .108 .031	.211 .107 .031	.204 .105 .030	.197 .103 .030	.191 .101 .030	
7.0	.200 .099 .028	.197 .098 .028	.190 .096 .028	.184 .094 .027	.178 .093 .027	
8.0	.187 .091 .026	.184 .090 .026	.178 .089 .025	.172 .087 .025	.167 .086 .025	
9.0	.175 .085 .024	.172 .084 .024	.167 .083 .023	.162 .081 .023	.157 .080 .023	
10.0	.164 .079 .022	.162 .078 .022	.157 .077 .022	.153 .076 .022	.149 .075 .021	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Ceiling Cavity Exitance Coefficients(CCEC)			
0.0	.190 .190 .190	.163 .163 .163	.111 .111 .111	.064 .064 .064	.020 .020 .020	
1.0	.181 .156 .134	.155 .134 .115	.106 .092 .080	.061 .053 .046	.019 .017 .015	
2.0	.173 .132 .098	.148 .114 .084	.101 .079 .059	.058 .046 .034	.019 .015 .011	
3.0	.165 .114 .074	.142 .099 .064	.097 .069 .045	.056 .040 .026	.018 .013 .009	
4.0	.157 .101 .058	.135 .087 .050	.093 .061 .035	.054 .036 .021	.017 .012 .007	
5.0	.150 .091 .047	.129 .078 .041	.089 .055 .029	.051 .032 .017	.017 .010 .006	
6.0	.143 .082 .039	.123 .071 .034	.085 .050 .024	.049 .029 .014	.016 .010 .005	
7.0	.136 .075 .033	.117 .065 .029	.081 .046 .020	.047 .027 .012	.015 .009 .004	
8.0	.129 .070 .029	.111 .060 .025	.077 .042 .018	.045 .025 .011	.015 .008 .003	
9.0	.123 .065 .025	.106 .056 .022	.074 .039 .016	.043 .023 .009	.014 .008 .003	
10.0	.118 .060 .022	.101 .052 .019	.070 .037 .014	.041 .022 .008	.013 .007 .003	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-28

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
 Test Distance:9.600m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:276.86V I:0.1909A P:51.872W PF:0.9919 Freq:50.01Hz		
UTHDi:0.27% ITHDi:7.74% KDisp:0.9901 Lamp Flux:6588.75x1 lm		
NAME: ASD-BLP-24A50	TYPE: 50W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 1.16*0.56	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	16.8	18.3	17.1	18.5	18.8	16.9	18.4	17.1	18.6	18.8
3H	18.3	19.7	18.6	20.0	20.2	18.4	19.8	18.7	20.1	20.3
4H	18.9	20.3	19.2	20.5	20.8	19.0	20.4	19.3	20.6	20.9
6H	19.3	20.6	19.7	20.9	21.2	19.5	20.7	19.8	21.0	21.3
8H	19.5	20.7	19.8	21.0	21.3	19.6	20.8	19.9	21.1	21.4
12H	19.5	20.7	19.9	21.0	21.3	19.7	20.9	20.0	21.2	21.5
4H 2H	17.4	18.8	17.7	19.0	19.3	17.5	18.8	17.8	19.1	19.3
3H	19.1	20.3	19.5	20.6	20.9	19.2	20.4	19.5	20.7	21.0
4H	19.8	20.9	20.2	21.2	21.6	19.9	21.0	20.3	21.3	21.7
6H	20.4	21.3	20.8	21.7	22.1	20.5	21.4	20.9	21.8	22.2
8H	20.6	21.5	21.0	21.8	22.2	20.7	21.6	21.1	21.9	22.3
12H	20.7	21.5	21.1	21.9	22.3	20.8	21.6	21.2	22.0	22.4
8H 4H	20.1	21.0	20.5	21.4	21.8	20.2	21.1	20.6	21.4	21.8
6H	20.8	21.5	21.2	21.9	22.4	20.9	21.6	21.3	22.0	22.5
8H	21.1	21.7	21.5	22.1	22.6	21.2	21.8	21.6	22.2	22.7
12H	21.2	21.8	21.7	22.2	22.7	21.4	21.9	21.8	22.4	22.9
12H 4H	20.1	20.9	20.5	21.3	21.7	20.2	21.0	20.6	21.4	21.8
6H	20.8	21.5	21.3	21.9	22.4	20.9	21.6	21.4	22.0	22.5
8H	21.1	21.7	21.6	22.2	22.6	21.2	21.8	21.7	22.3	22.7

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.2 / - 0.2	+ 0.2 / - 0.2
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.2 / - 0.3	+ 0.2 / - 0.3

CIE Pub.117, 6589 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.6)  
 Area: 0.65 m2

C Range: 0 - 360DEG	<input type="checkbox"/> Range: 0 - 90DEG
C Interval: 22.5DEG	<input type="checkbox"/> Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.461
Temperature:25.3°C	Humidity:65.0%
Operators:DAMIN	Test Distance:9.600m [K=1.0000]
Test Date:2023-11-28	Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:276.86V I:0.1909A P:51.872W PF:0.9919 Freq:50.01Hz UTHDi:0.27% ITHDi:7.74% KDisp:0.9901 Lamp Flux:6588.75x1 lm		
NAME: ASD-BLP-24A50	TYPE: 50W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 1.16*0.56	Shielding Angle:

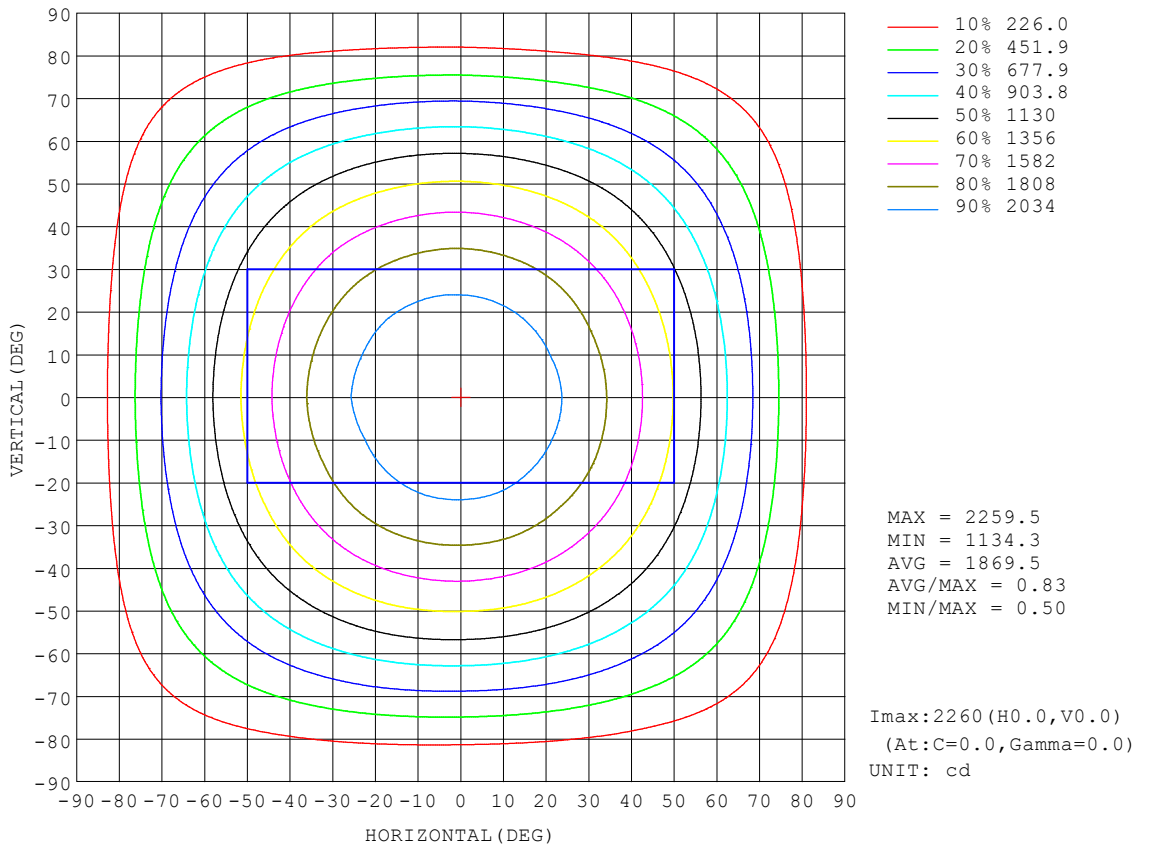
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	70	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	99	91	84	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-28

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
 Test Distance:9.600m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:276.86V I:0.1909A P:51.872W PF:0.9919 Freq:50.01Hz UTHDi:0.27% ITHDi:7.74% KDisp:0.9901 Lamp Flux:6588.75x1 lm		
NAME: ASD-BLP-24A50	TYPE: 50W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 1.16*0.56	Shielding Angle:



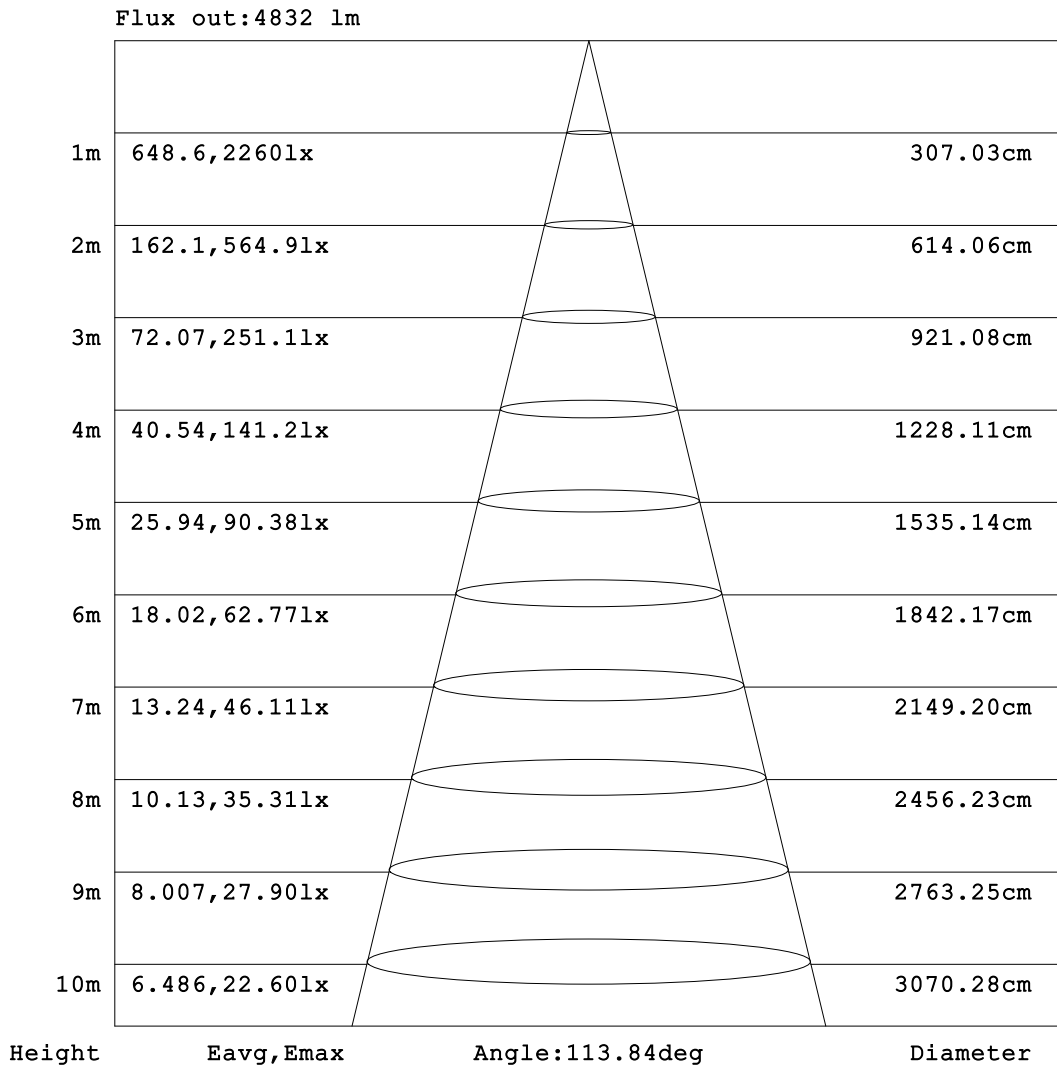
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-28

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
 Test Distance:9.600m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:276.86V I:0.1909A P:51.872W PF:0.9919 Freq:50.01Hz UTHDi:0.27% ITHDi:7.74% KDisp:0.9901 Lamp Flux:6588.75x1 lm		
NAME: ASD-BLP-24A50	TYPE: 50W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 1.16*0.56	Shielding Angle:



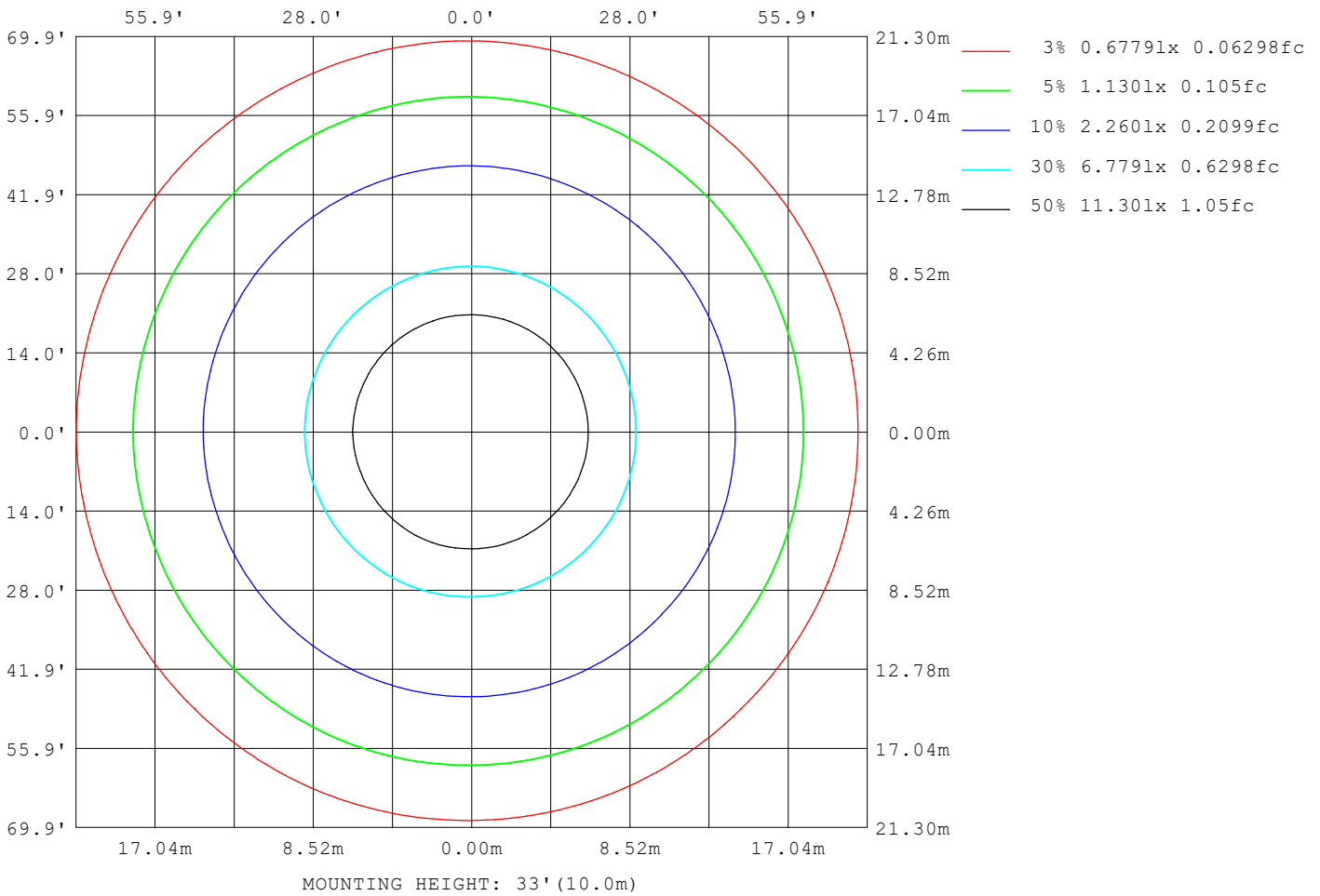
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-11-28

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.461  
 Humidity: 65.0%  
 Test Distance: 9.600m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:276.86V I:0.1909A P:51.872W PF:0.9919 Freq:50.01Hz UTHDi:0.27% ITHDi:7.74% KDisp:0.9901 Lamp Flux:6588.75x1 lm		
NAME: ASD-BLP-24A50	TYPE: 50W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 1.16*0.56	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-28

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
 Test Distance:9.600m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:276.86V I:0.1909A P:51.872W PF:0.9919 Freq:50.01Hz UTHDi:0.27% ITHDi:7.74% KDisp:0.9901 Lamp Flux:6588.75x1 lm		
NAME: ASD-BLP-24A50	TYPE: 50W	WEIGHT:
SPEC.: N/A	DIM.:	SERIAL No.: 1
MFR.: ASD Lighting Corp	SUR.: 1.16*0.56	Shielding Angle:

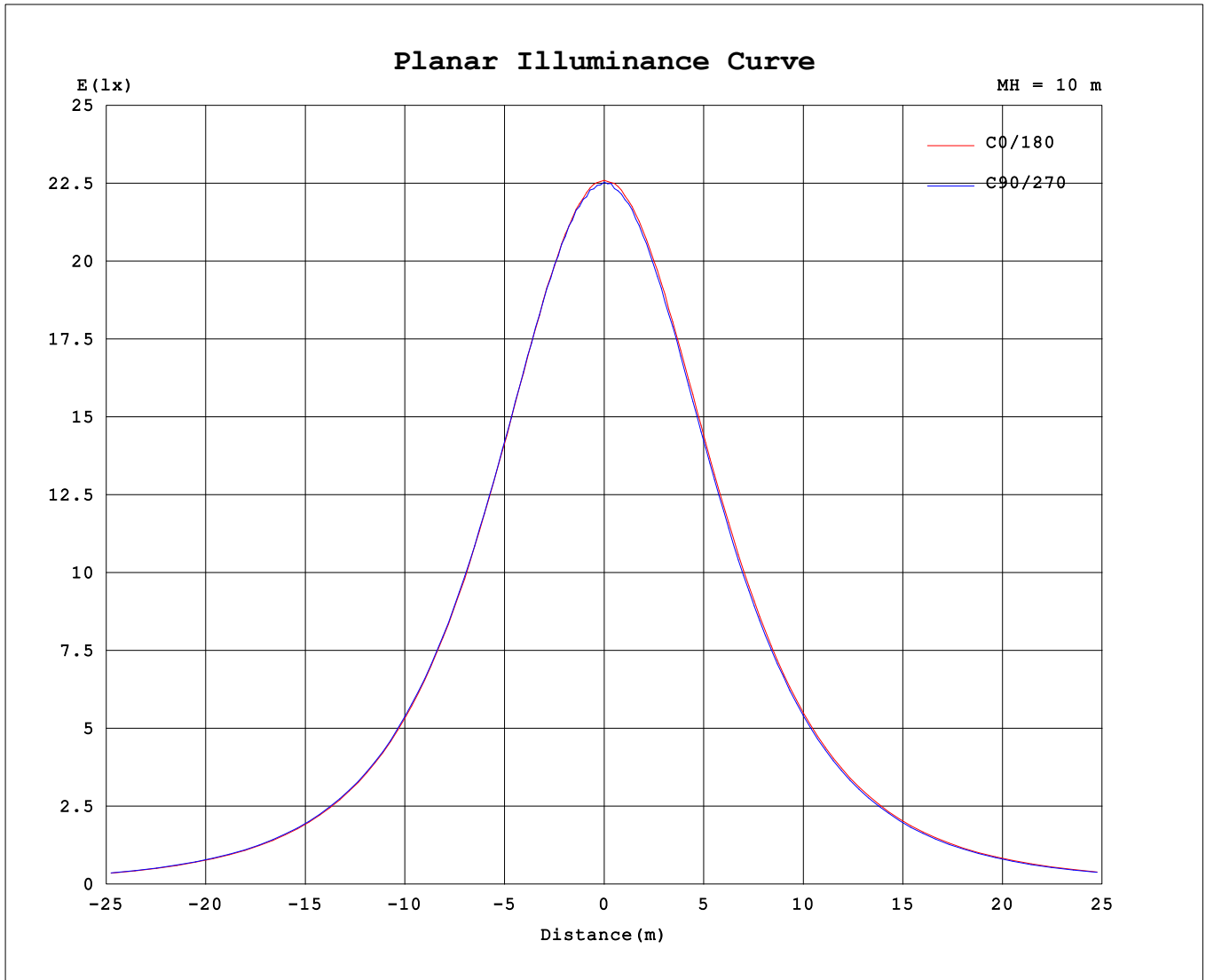
AvgL	cd/m2
L_0~180 (65) av	3062
L_0~180 (75) av	2770
L_0~180 (85) av	2277
L_90~270 (65) av	3030
L_90~270 (75) av	2720
L_90~270 (85) av	2179
L_45 (65) av	3041
L_45 (75) av	2729
L_45 (85) av	2161

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:DAMIN  
 Test Date:2023-11-28

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.461  
 Humidity:65.0%  
 Test Distance:9.600m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: DAMIN  
 Test Date: 2023-11-28

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.461  
 Humidity: 65.0%  
 Test Distance: 9.600m [K=1.0000]  
 Remarks:

