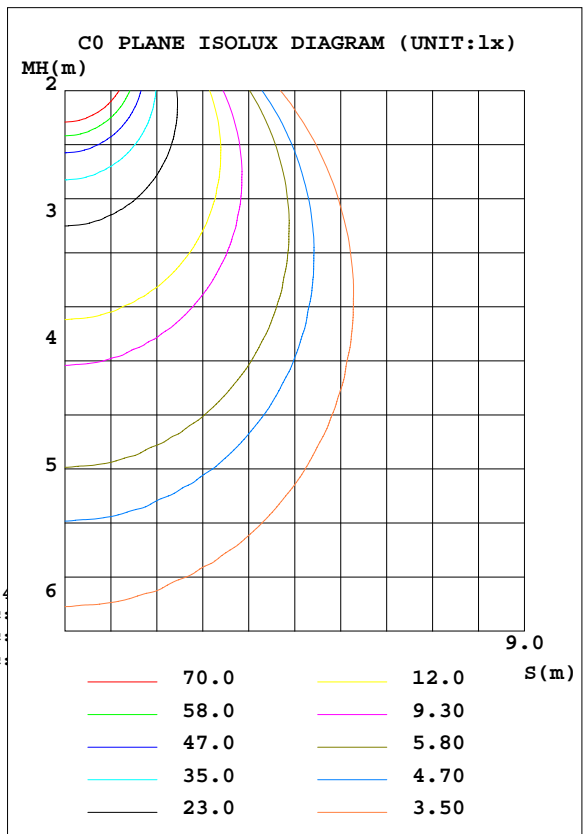
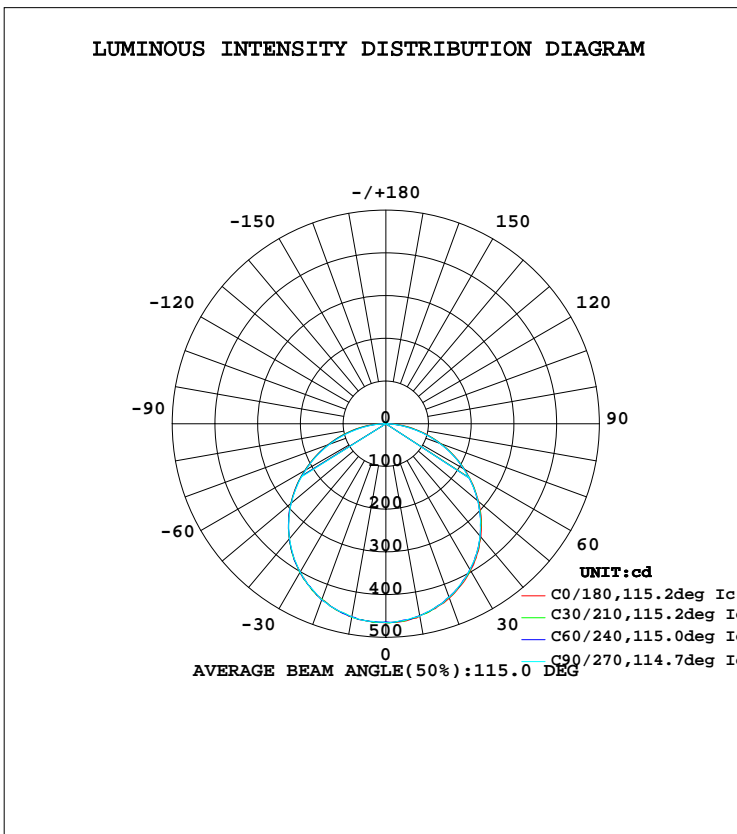


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1626A P:19.35W PF:0.9915 Lamp Flux:1409.1x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	ASD-LMPJBR-8D18CC-BZ	Imax(cd)	466.7	S/MH(C0/180)	1.28
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1409.1	η UP, DN(C0-180)	1.0,48.5
NOMINAL FLUX(lm)	1409.1	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.1,49.5
LAMPS INSIDE	1	η up(%)	2.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	98.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:wxh  
 Test Date:2019-05-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	457.2	457.0	457.0	456.4	459.4	458.9	459.1	457.8	0- 10	44.05	44.05	3.13,3.13
20	434.5	433.8	432.3	435.0	437.8	437.2	438.1	436.4	10- 20	126.5	170.6	12.1,12.1
30	396.3	394.9	394.4	397.4	402.1	401.6	401.4	399.9	20- 30	192.9	363.4	25.8,25.8
40	346.3	344.4	342.8	345.8	351.9	351.7	350.9	349.1	30- 40	234.3	597.8	42.4,42.4
50	283.8	282.8	281.3	285.1	290.3	288.9	289.1	286.6	40- 50	245.3	843.0	59.8,59.8
60	212.5	211.2	209.8	213.7	219.2	218.0	216.1	215.2	50- 60	224.4	1067	75.8,75.8
70	137.3	136.0	133.8	138.4	144.8	142.7	139.2	139.2	60- 70	175.3	1243	88.2,88.2
80	64.36	61.10	56.27	62.96	71.01	66.27	61.15	62.75	70- 80	106.2	1349	95.7,95.7
90	3.634	3.846	4.520	4.082	6.494	4.729	5.241	4.462	80- 90	31.64	1381	98,98
100	3.759	3.782	3.762	3.751	4.321	4.298	4.310	4.317	90-100	4.369	1385	98.3,98.3
110	3.994	4.006	3.994	3.990	4.518	4.498	4.495	4.525	100-110	4.383	1389	98.6,98.6
120	4.225	4.229	4.240	4.221	4.718	4.687	4.687	4.714	110-120	4.323	1394	98.9,98.9
130	4.471	4.464	4.471	4.456	4.884	4.864	4.864	4.887	120-130	4.088	1398	99.2,99.2
140	4.771	4.753	4.760	4.753	5.080	5.033	5.049	5.068	130-140	3.702	1401	99.5,99.5
150	5.068	5.065	5.064	5.057	5.276	5.230	5.234	5.261	140-150	3.156	1405	99.7,99.7
160	5.368	5.346	5.368	5.361	5.434	5.419	5.423	5.446	150-160	2.438	1407	99.9,99.9
170	5.588	5.588	5.592	5.592	5.627	5.592	5.608	5.634	160-170	1.556	1409	100,100
180	5.711	5.715	5.723	5.735	5.696	5.708	5.711	5.735	170-180	0.5396	1409	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

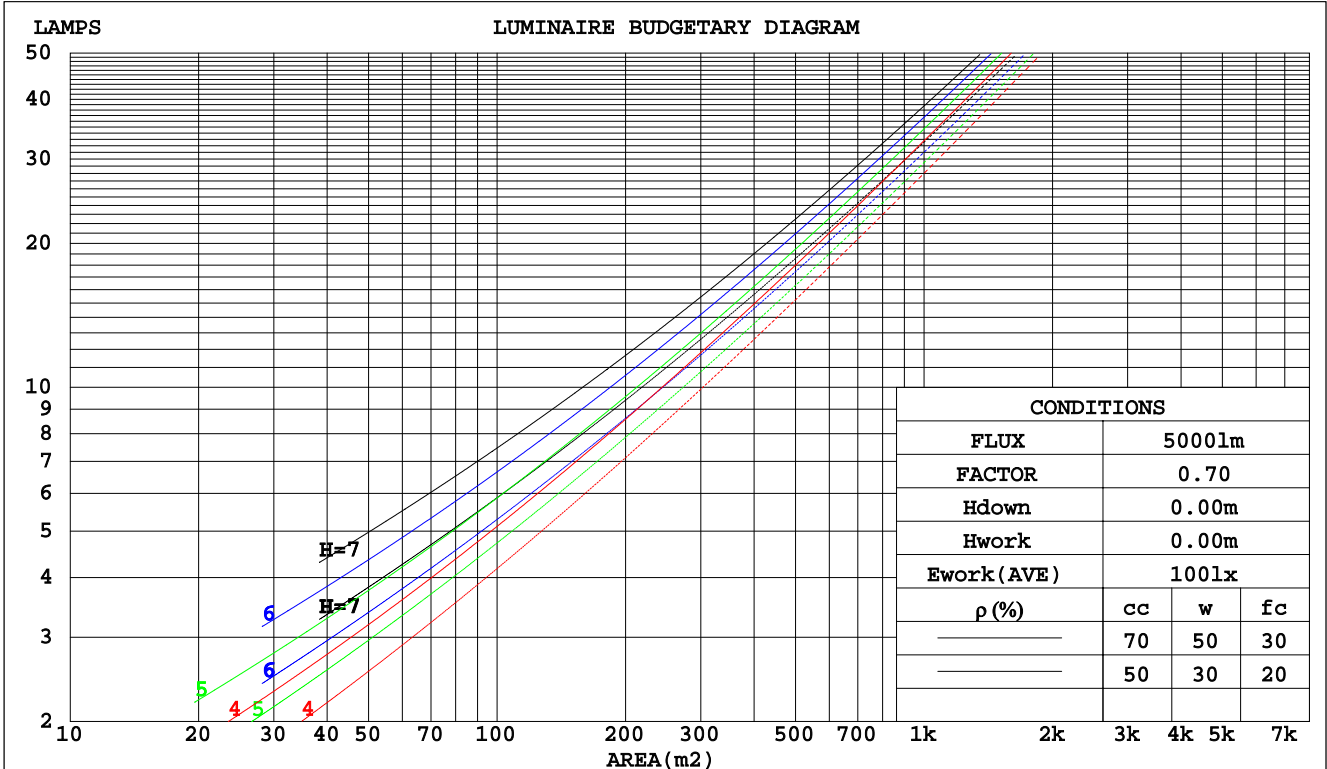
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:wxh  
Test Date:2019-05-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
Humidity:65.0%  
Test Distance:7.500m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1626A P:19.35W PF:0.9915 Lamp Flux:1409.1x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	PROTECTION 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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.03	.99	.95	1.00	.96	.93	.96	.93	.90	.92	.89	.86	.88	.86	.83	.81
2.0	.89	.82	.77	.87	.81	.75	.83	.78	.73	.80	.75	.71	.77	.73	.69	.67
3.0	.78	.70	.63	.77	.69	.63	.73	.67	.61	.70	.65	.60	.67	.63	.59	.56
4.0	.69	.60	.53	.68	.59	.53	.65	.58	.52	.62	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.60	.52	.45	.58	.51	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.40	.52	.45	.39	.50	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.35	.30	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2019-05-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1626A P:19.35W PF:0.9915 Lamp Flux:1409.1x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.318	.181	.057	.310	.177	.056	.295	.170	.054	.282	.163	.052	.270	.156	.050	
2.0	.297	.163	.050	.290	.160	.049	.277	.154	.048	.265	.149	.047	.255	.144	.045	
3.0	.274	.146	.044	.268	.143	.043	.256	.139	.042	.246	.135	.041	.236	.131	.040	
4.0	.252	.131	.038	.247	.129	.038	.236	.125	.037	.227	.122	.037	.218	.119	.036	
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.210	.111	.033	.202	.108	.032	
6.0	.215	.108	.031	.211	.107	.031	.203	.104	.030	.195	.101	.030	.188	.099	.029	
7.0	.200	.099	.028	.196	.098	.028	.189	.096	.028	.182	.093	.027	.176	.091	.027	
8.0	.187	.091	.026	.183	.090	.025	.177	.088	.025	.171	.086	.025	.165	.085	.025	
9.0	.175	.085	.024	.172	.084	.023	.166	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.022	.151	.075	.021	.146	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.206	.206	.206	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.196	.172	.149	.168	.147	.129	.115	.101	.089	.066	.059	.052	.021	.019	.017	
2.0	.189	.148	.113	.162	.127	.098	.111	.088	.068	.064	.051	.040	.020	.017	.013	
3.0	.181	.130	.090	.155	.112	.078	.107	.078	.054	.062	.046	.032	.020	.015	.011	
4.0	.173	.117	.074	.149	.101	.064	.102	.070	.045	.059	.041	.027	.019	.013	.009	
5.0	.166	.107	.063	.142	.092	.055	.098	.064	.039	.057	.038	.023	.018	.012	.008	
6.0	.159	.098	.055	.136	.085	.048	.094	.060	.034	.055	.035	.020	.018	.011	.007	
7.0	.152	.091	.049	.131	.079	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
8.0	.145	.086	.045	.125	.074	.039	.087	.052	.028	.050	.031	.016	.016	.010	.005	
9.0	.139	.081	.041	.120	.070	.036	.083	.049	.025	.048	.029	.015	.016	.010	.005	
10.0	.134	.076	.038	.115	.066	.034	.080	.047	.024	.047	.028	.014	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:wxh  
 Test Date:2019-05-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1626A P:19.35W PF:0.9915 Lamp Flux:1409.1x1 lm										
NAME: ASD-LMPJBR-8D18CC-BZ					TYPE:			WEIGHT:		
SPEC.: 5000K					DIM.:			SERIAL No.:		
MFR.: ASD Lighting Corp.					SUR.:			PROTECTION 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	17.9	19.4	18.2	19.6	19.9	17.8	19.3	18.1	19.5	19.8
3H	19.5	20.9	19.8	21.1	21.4	19.4	20.8	19.7	21.0	21.3
4H	20.1	21.5	20.5	21.8	22.1	20.0	21.3	20.3	21.6	21.9
6H	20.7	21.9	21.0	22.2	22.6	20.5	21.7	20.8	22.0	22.3
8H	20.9	22.1	21.2	22.4	22.7	20.6	21.8	21.0	22.1	22.4
12H	21.0	22.2	21.4	22.5	22.8	20.6	21.8	21.0	22.1	22.5
4H 2H	18.5	19.8	18.8	20.1	20.4	18.4	19.8	18.8	20.0	20.3
3H	20.3	21.4	20.7	21.8	22.1	20.2	21.4	20.6	21.7	22.0
4H	21.1	22.1	21.5	22.5	22.9	20.9	22.0	21.4	22.4	22.7
6H	21.8	22.7	22.2	23.1	23.5	21.5	22.5	22.0	22.9	23.3
8H	22.0	22.9	22.5	23.3	23.7	21.7	22.6	22.1	23.0	23.4
12H	22.2	23.0	22.7	23.4	23.9	21.8	22.6	22.3	23.0	23.5
8H 4H	21.4	22.2	21.8	22.7	23.1	21.2	22.1	21.7	22.5	23.0
6H	22.2	22.9	22.7	23.4	23.8	22.0	22.7	22.4	23.1	23.6
8H	22.5	23.2	23.0	23.7	24.2	22.2	22.9	22.7	23.3	23.8
12H	22.8	23.4	23.3	23.9	24.4	22.4	23.0	22.9	23.4	24.0
12H 4H	21.4	22.2	21.8	22.6	23.1	21.3	22.1	21.7	22.5	22.9
6H	22.3	22.9	22.8	23.4	23.9	22.0	22.7	22.5	23.2	23.6
8H	22.6	23.2	23.2	23.7	24.2	22.3	22.9	22.9	23.4	23.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1409 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.2)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:wxh  
 Test Date:2019-05-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1626A P:19.35W PF:0.9915 Lamp Flux:1409.1x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:

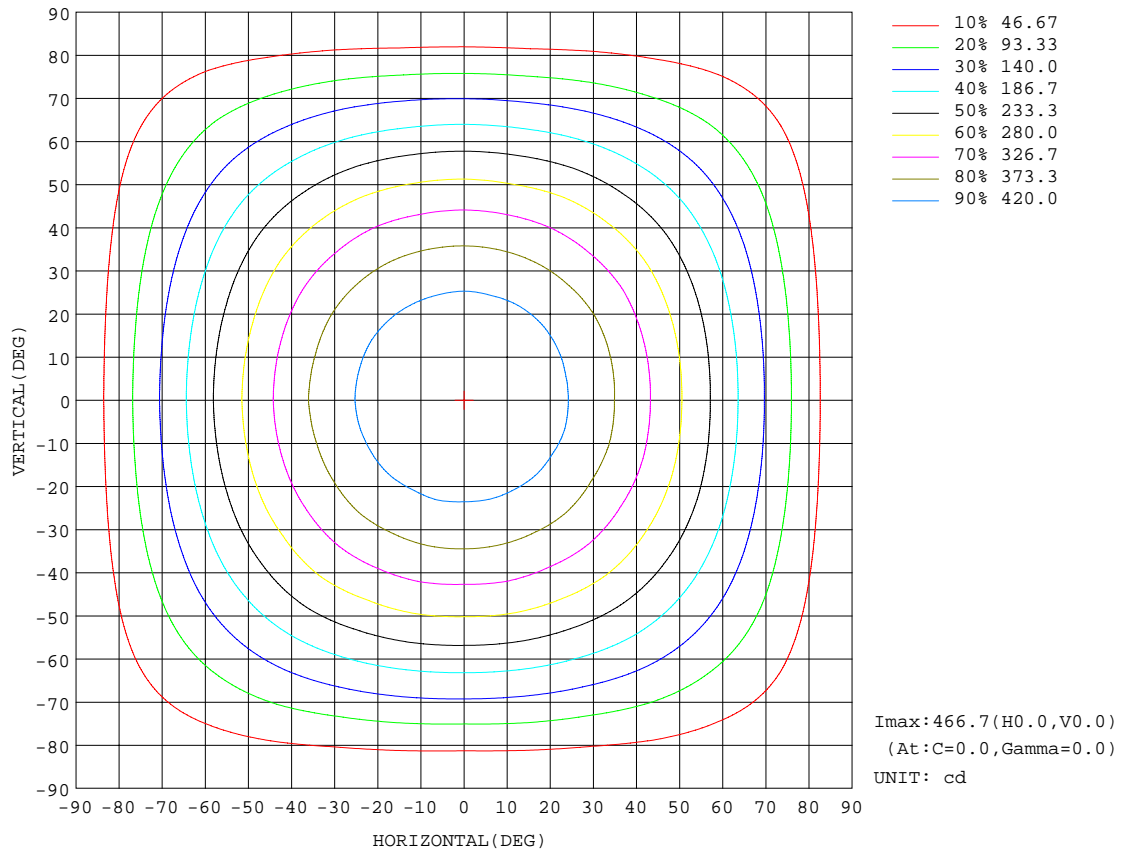
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	37	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	55	71	64	55	47
1.25	82	71	64	80	70	63	77	69	62	55
1.50	87	77	69	85	76	69	82	74	68	60
2.00	94	85	78	92	84	77	88	81	76	67
2.50	98	90	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	85	76
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	103	98	105	101	97	100	97	93	84
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:wxh  
 Test Date:2019-05-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1626A P:19.35W PF:0.9915 Lamp Flux:1409.1x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:

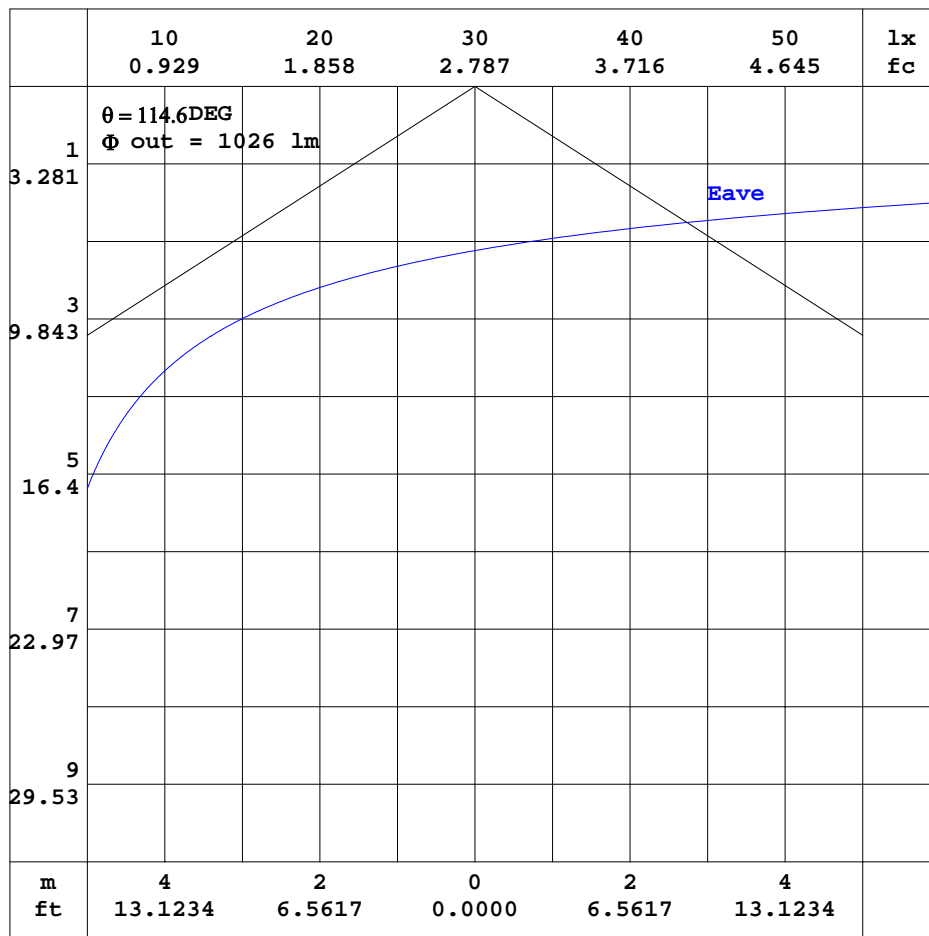


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2019-05-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

AAI CURVES

Test:U:120.0V I:0.1626A P:19.35W PF:0.9915 Lamp Flux:1409.1x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:



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

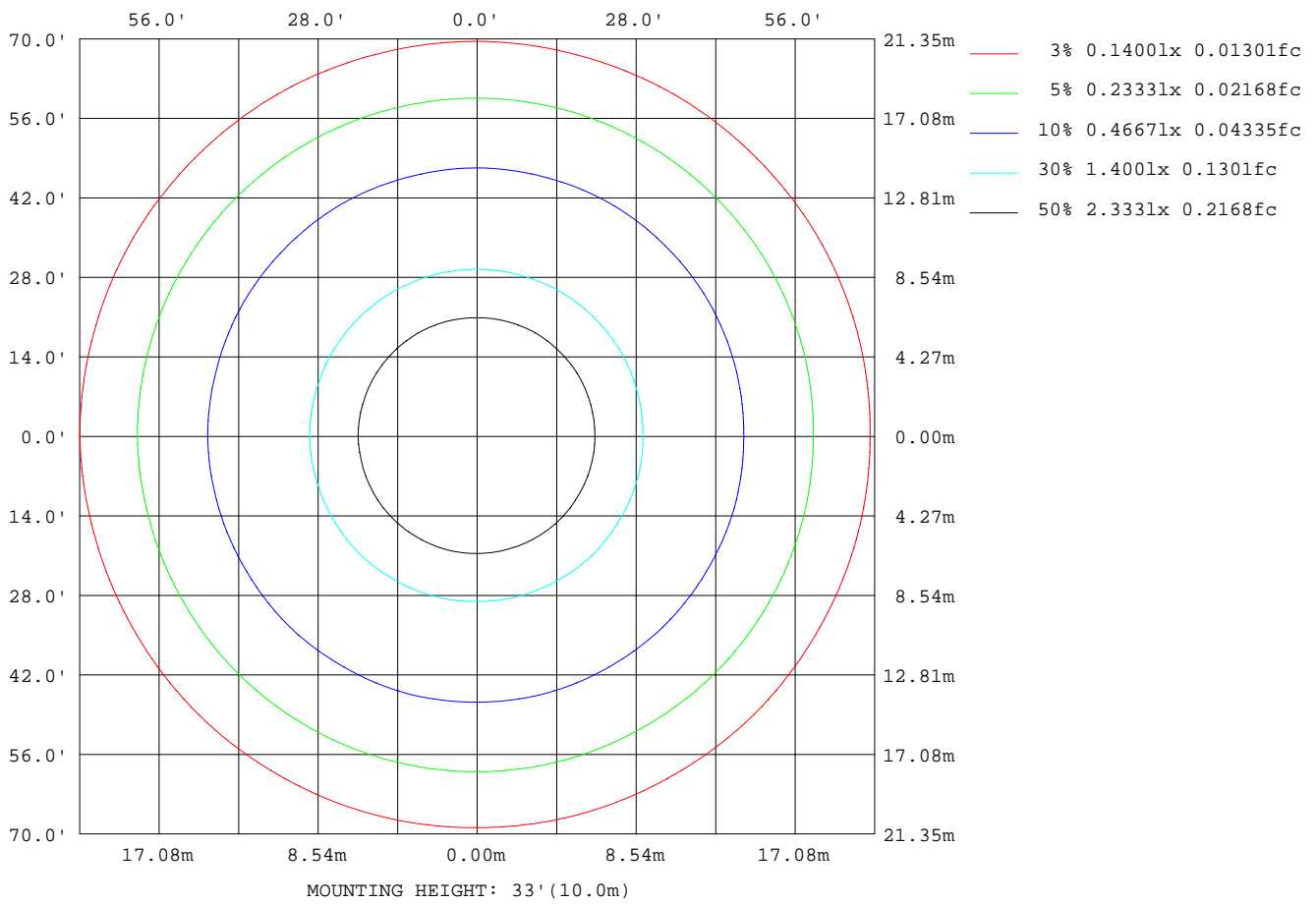
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2019-05-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

Test:U:120.0V I:0.1626A P:19.35W PF:0.9915 Lamp Flux:1409.1x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2019-05-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:120.0V I:0.1626A P:19.35W PF:0.9915 Lamp Flux:1409.1x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.:ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:

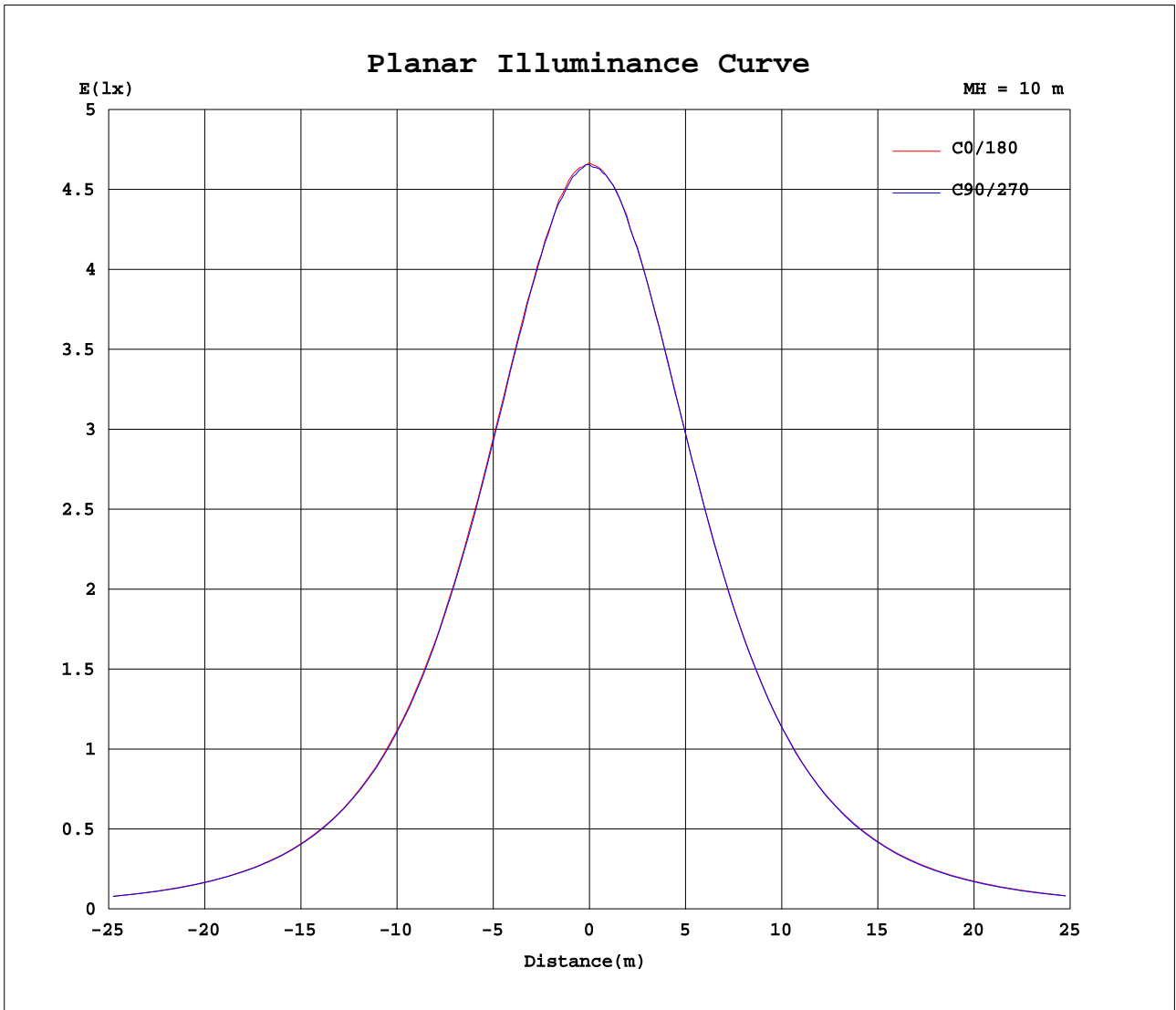
AvgL	cd/m2
L_0~180(65)av	4234
L_0~180(75)av	4003
L_0~180(85)av	3923
L_90~270(65)av	4158
L_90~270(75)av	3740
L_90~270(85)av	2586
L_45(65)av	4200
L_45(75)av	3893
L_45(85)av	3067

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:wxh  
 Test Date:2019-05-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2019-05-06

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1626A P:19.35W PF:0.9915 Lamp Flux:1409.1x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	PROTECTION 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	467	465	465	465	463	465	466	466	466	465	465	465	467	465	465	465	463	465	466
5	465	463	464	462	462	463	463	462	463	463	463	463	464	465	464	463	464	464	464
10	457	458	456	457	456	457	457	456	456	456	457	458	459	460	460	459	459	459	459
15	448	448	446	447	446	446	446	447	446	448	448	448	451	451	451	450	450	449	450
20	434	434	432	434	432	432	432	433	433	435	434	436	438	438	437	437	439	437	438
25	417	416	416	415	415	415	414	415	416	417	418	420	421	421	421	421	420	420	421
30	396	397	395	395	393	395	394	395	396	397	397	399	402	401	402	402	401	401	401
35	373	373	371	371	371	370	371	371	371	374	374	375	377	379	379	377	378	377	378
40	346	346	344	344	343	344	343	345	345	346	347	349	352	351	351	352	351	351	351
45	316	316	315	315	313	314	313	314	315	316	317	319	322	321	322	322	322	320	321
50	284	284	282	283	281	282	281	283	282	285	284	286	290	289	291	289	290	288	289
55	249	250	248	248	246	247	246	249	248	251	250	253	256	255	256	255	255	253	254
60	212	213	211	211	210	211	210	211	212	214	214	216	219	220	219	218	218	217	216
65	176	176	175	175	173	173	173	174	175	177	177	179	182	182	182	181	180	179	179
70	137	138	137	136	134	135	134	135	137	138	139	141	145	144	144	143	142	140	139
75	99.7	101	98.4	98.2	95.5	95.6	93.8	95.9	97.0	100	101	104	107	106	107	104	103	100	99.7
80	64.4	64.7	62.2	61.1	58.0	57.7	56.3	58.0	59.2	63.0	65.0	67.7	71.0	69.9	69.7	66.3	64.8	61.3	61.1
85	31.4	28.8	25.0	24.1	22.3	21.8	20.6	22.4	23.5	27.4	29.6	33.6	37.0	35.2	33.4	29.6	27.7	24.6	24.4
90	3.63	3.67	3.65	3.85	4.00	4.52	4.52	5.03	4.60	4.08	3.69	4.10	6.49	4.98	4.74	4.73	4.99	5.29	5.24
95	3.65	3.67	3.67	3.69	3.75	3.75	3.76	3.74	3.71	3.67	3.65	3.64	4.22	4.22	4.21	4.24	4.24	4.26	4.26
100	3.76	3.77	3.79	3.78	3.77	3.77	3.76	3.76	3.75	3.75	3.75	3.75	4.32	4.31	4.30	4.30	4.29	4.30	4.31
105	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.87	3.88	3.88	3.87	3.87	4.41	4.40	4.41	4.39	4.38	4.39	4.40
110	3.99	4.00	4.01	4.01	4.02	4.01	3.99	3.99	3.99	3.99	3.98	3.98	4.52	4.49	4.48	4.50	4.49	4.49	4.49
115	4.12	4.11	4.12	4.12	4.12	4.12	4.11	4.10	4.10	4.10	4.10	4.10	4.09	4.61	4.61	4.58	4.59	4.59	4.59
120	4.22	4.23	4.22	4.23	4.22	4.22	4.24	4.22	4.21	4.22	4.22	4.22	4.72	4.70	4.68	4.69	4.68	4.69	4.69
125	4.34	4.34	4.34	4.33	4.33	4.32	4.34	4.33	4.32	4.33	4.33	4.34	4.81	4.78	4.77	4.77	4.76	4.77	4.77
130	4.47	4.46	4.47	4.46	4.46	4.46	4.47	4.45	4.45	4.46	4.46	4.46	4.88	4.88	4.86	4.86	4.85	4.86	4.86
135	4.62	4.61	4.62	4.60	4.60	4.59	4.60	4.59	4.59	4.59	4.60	4.61	4.99	4.97	4.95	4.94	4.93	4.93	4.96
140	4.77	4.76	4.77	4.75	4.75	4.75	4.76	4.76	4.75	4.75	4.76	4.75	5.08	5.06	5.04	5.03	5.03	5.04	5.05
145	4.91	4.91	4.91	4.91	4.91	4.89	4.91	4.89	4.89	4.90	4.92	4.91	5.16	5.16	5.15	5.13	5.12	5.13	5.14
150	5.07	5.06	5.07	5.06	5.06	5.05	5.06	5.06	5.05	5.06	5.08	5.05	5.28	5.25	5.24	5.23	5.21	5.22	5.23
155	5.22	5.21	5.21	5.21	5.21	5.21	5.23	5.19	5.22	5.21	5.21	5.19	5.35	5.35	5.32	5.32	5.30	5.32	5.33
160	5.37	5.34	5.35	5.35	5.36	5.35	5.37	5.36	5.36	5.36	5.36	5.36	5.43	5.43	5.42	5.42	5.40	5.41	5.42
165	5.48	5.48	5.48	5.47	5.48	5.49	5.49	5.50	5.49	5.48	5.49	5.49	5.53	5.51	5.52	5.50	5.51	5.51	5.51
170	5.59	5.58	5.57	5.59	5.60	5.59	5.59	5.59	5.59	5.59	5.61	5.60	5.63	5.60	5.61	5.59	5.61	5.60	5.61
175	5.67	5.65	5.66	5.67	5.67	5.66	5.66	5.67	5.67	5.68	5.69	5.68	5.67	5.67	5.67	5.67	5.66	5.70	5.69
180	5.71	5.71	5.72	5.72	5.71	5.72	5.72	5.72	5.73	5.73	5.74	5.72	5.70	5.70	5.72	5.71	5.72	5.71	5.71

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2019-05-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1626A P:19.35W PF:0.9915 Lamp Flux:1409.1x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C( DEG) γ (DEG)	285	300	315	330	345														
0	466	466	465	465	465														
5	464	464	463	464	463														
10	458	458	458	458	458														
15	449	449	449	448	448														
20	437	437	436	437	435														
25	420	421	420	419	419														
30	399	400	400	400	397														
35	377	376	375	377	375														
40	349	350	349	348	348														
45	320	320	319	320	318														
50	287	288	287	287	285														
55	252	253	252	252	251														
60	216	216	215	215	215														
65	177	178	178	178	177														
70	138	139	139	140	140														
75	98.3	99.9	100.0	102	102														
80	60.0	62.2	62.7	65.5	65.8														
85	23.9	26.2	25.9	28.7	30.5														
90	4.97	4.83	4.46	4.36	4.40														
95	4.26	4.26	4.26	4.22	4.23														
100	4.31	4.30	4.32	4.31	4.32														
105	4.40	4.41	4.42	4.41	4.42														
110	4.51	4.51	4.53	4.52	4.53														
115	4.60	4.61	4.62	4.62	4.62														
120	4.69	4.70	4.71	4.71	4.73														
125	4.79	4.78	4.80	4.80	4.81														
130	4.87	4.88	4.89	4.90	4.89														
135	4.95	4.96	4.98	4.98	4.99														
140	5.06	5.06	5.07	5.08	5.09														
145	5.15	5.16	5.15	5.17	5.19														
150	5.23	5.23	5.26	5.26	5.27														
155	5.35	5.35	5.35	5.36	5.37														
160	5.41	5.43	5.45	5.45	5.45														
165	5.52	5.53	5.54	5.53	5.54														
170	5.63	5.63	5.63	5.61	5.62														
175	5.70	5.70	5.70	5.69	5.69														
180	5.72	5.73	5.73	5.73	5.73														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:wxh  
 Test Date:2019-05-06

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks: