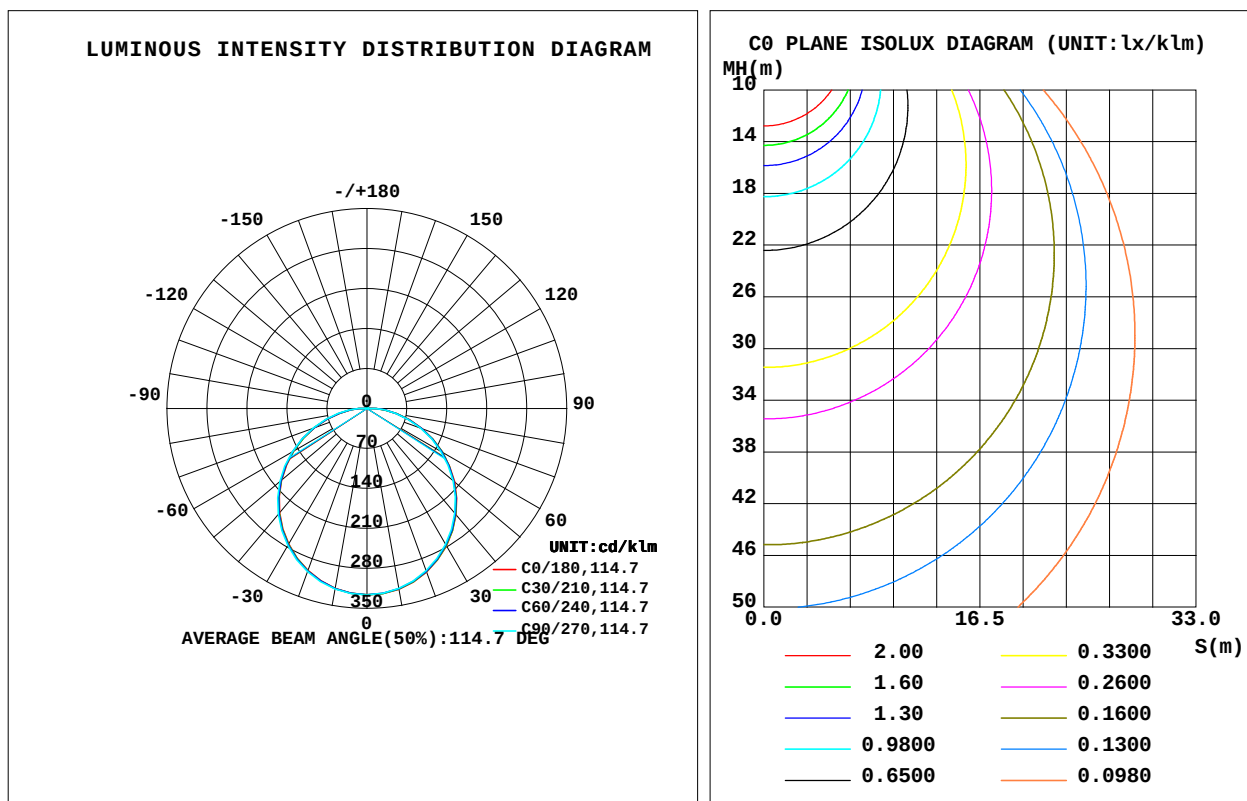


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.33V I:0.1639A P:19.644W PF:0.9963 Freq:59.98Hz Lamp Flux:1559.13x1 lm		
NAME: ASD-LDS-9.5D2050-BZ	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.37 lm/W			
MODEL	ASD-LDS-9.5D2050-BZ	I _{max} (cd/klm)	326.4	S/MH(C0/180)	1.25
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm/klm)	1000.0	h UP, DN(C0-180)	1.1,49.0
NOMINAL FLUX(lm)	1559.13	CIE CLASS	DIRECT	h UP, DN(C180-360)	1.0,49.0
LAMPS INSIDE	1	h up(%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	h down(%)	97.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: L
 Test Date: 2020-08-17

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity: 65.0%
 Test Distance: 8.110m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

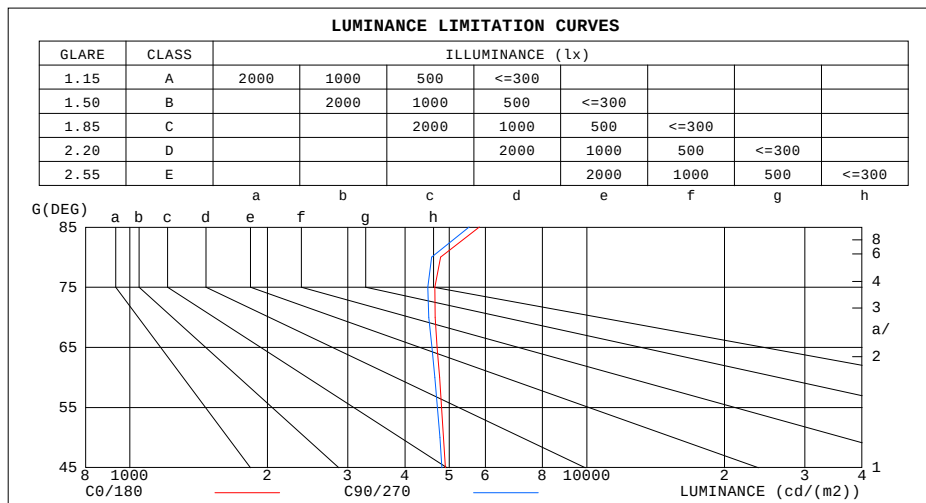
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
10	321.3	320.9	320.1	319.7	319.8	320.1	320.9	321.3	0- 10	30.87	30.87	3.09,3.09
20	305.0	304.2	302.6	301.9	302.0	302.5	304.3	304.8	10- 20	88.43	119.3	11.9,11.9
30	278.2	277.5	275.1	274.3	274.2	274.9	277.4	277.9	20- 30	134.1	253.4	25.3,25.3
40	242.7	242.0	239.3	238.4	238.1	238.8	241.6	242.4	30- 40	162.2	415.7	41.6,41.6
50	200.3	199.7	196.7	195.8	195.3	195.8	199.0	199.9	40- 50	169.6	585.3	58.5,58.5
60	152.7	152.5	149.2	148.3	147.6	147.9	151.3	151.9	50- 60	156.1	741.4	74.1,74.1
70	102.2	102.2	99.00	98.02	97.16	97.37	100.5	101.1	60- 70	123.9	865.2	86.5,86.5
80	53.31	53.44	50.96	49.75	48.69	49.01	51.36	52.14	70- 80	79.30	944.5	94.5,94.5
90	16.65	16.95	15.60	15.11	14.43	14.43	15.63	15.84	80- 90	34.92	979.4	97.9,97.9
100	1.822	1.032	0.8604	1.085	2.208	1.048	0.7814	1.031	90-100	7.851	987.3	98.7,98.7
110	2.285	1.522	1.365	1.676	1.998	1.640	1.230	1.507	100-110	1.380	988.7	98.9,98.9
120	2.601	2.487	2.646	2.553	2.550	2.672	2.592	2.508	110-120	2.114	990.8	99.1,99.1
130	3.363	2.824	3.222	3.070	3.380	2.871	3.384	3.072	120-130	2.660	993.4	99.3,99.3
140	3.904	2.520	4.261	3.250	3.840	2.012	3.768	2.609	130-140	2.557	996.0	99.6,99.6
150	2.369	2.376	4.173	2.331	2.320	2.334	4.140	2.014	140-150	1.719	997.7	99.8,99.8
160	2.353	2.360	2.747	2.313	2.419	2.483	2.289	2.434	150-160	1.220	998.9	99.9,99.9
170	2.428	2.698	3.084	2.767	2.431	2.667	3.846	2.654	160-170	0.8151	999.7	100,100
180	2.540	2.546	2.535	2.549	2.543	2.552	2.532	2.552	170-180	0.2528	1000	100,100
DEG	LUMINOUS INTENSITY:cd/klm									UNIT: lm/klm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:L
Test Date:2020-08-17

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.33V I:0.1639A P:19.644W PF:0.9963 Freq:59.98Hz Lamp Flux:1559.13x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	5815	5530
80	4788	4574
75	4653	4487
70	4658	4512
65	4706	4582
60	4763	4649
55	4814	4711
50	4861	4770
45	4904	4822

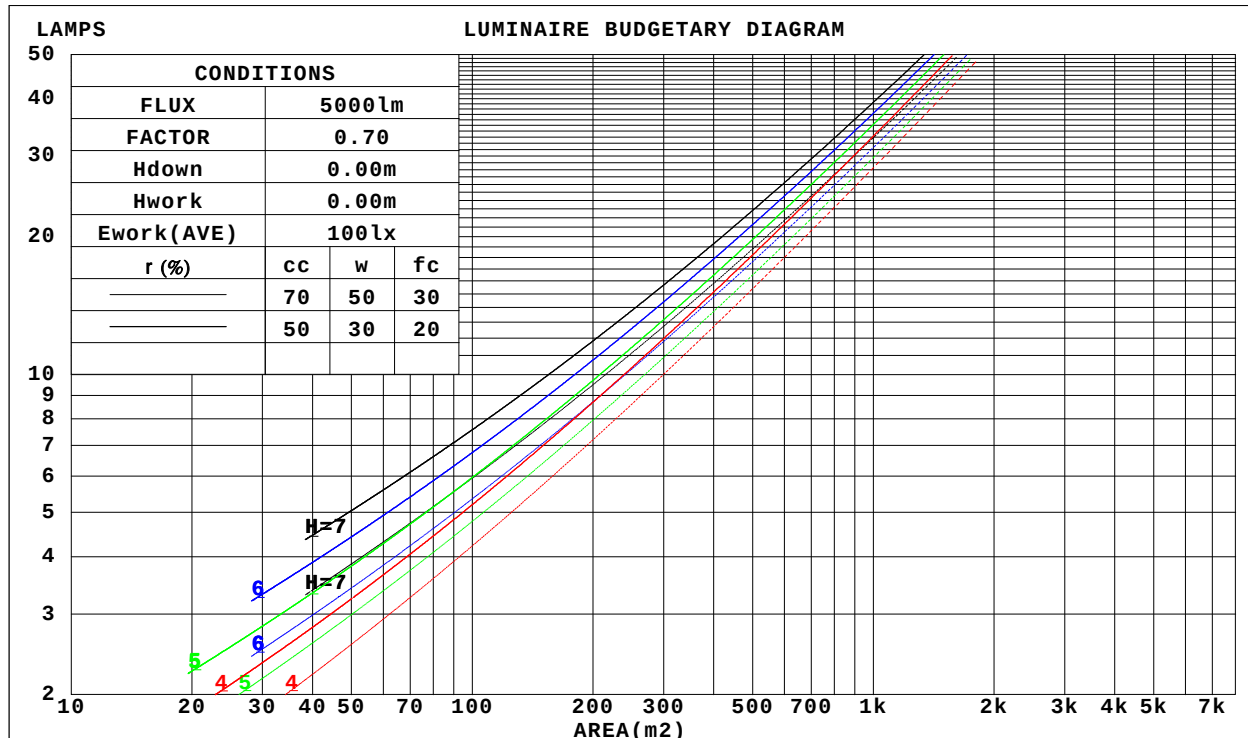
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: L
Test Date: 2020-08-17

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.300m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.33V I:0.1639A P:19.644W PF:0.9963 Freq:59.98Hz Lamp Flux:1559.13x1 lm															
NAME:				TYPE:				WEIGHT:							
SPEC.:				DIM.:				SERIAL No.:							
MFR.:				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	1.00	1.00	1.00	.98
1.0	1.02	.98	.93	.90	.96	.92	.95	.92	.88	.91	.88	.85	.87	.85	.82	.80
2.0	.89	.81	.75	.86	.80	.74	.83	.77	.72	.79	.74	.70	.76	.72	.68	.66
3.0	.78	.69	.62	.76	.68	.62	.72	.66	.60	.69	.64	.59	.67	.62	.58	.55
4.0	.68	.59	.52	.67	.59	.52	.64	.57	.51	.62	.55	.50	.59	.54	.49	.47
5.0	.61	.52	.45	.60	.51	.45	.57	.50	.44	.55	.49	.43	.53	.47	.43	.40
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.38	.50	.43	.38	.48	.42	.37	.35
7.0	.50	.41	.35	.49	.40	.34	.47	.39	.34	.45	.39	.34	.44	.38	.33	.31
8.0	.45	.37	.31	.45	.36	.31	.43	.36	.30	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.33	.28	.41	.33	.27	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.24	.34	.29	.24	.22



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: L
Test Date: 2020-08-17

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.300m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:120.33V I:0.1639A P:19.644W PF:0.9963 Freq:59.98Hz Lamp Flux:1559.13x1 lm														
NAME:					TYPE:					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.:					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	.332	.189	.060	.324	.185	.059	.310	.178	.057	.297	.171	.055	.284	.165	.053	
2.0	.305	.167	.051	.298	.164	.051	.285	.159	.049	.273	.153	.048	.262	.148	.047	
3.0	.279	.148	.044	.273	.146	.044	.261	.142	.043	.251	.137	.042	.241	.133	.041	
4.0	.255	.133	.039	.250	.131	.039	.240	.127	.038	.230	.124	.037	.221	.120	.037	
5.0	.235	.120	.035	.230	.118	.034	.221	.115	.034	.212	.112	.033	.205	.109	.033	
6.0	.217	.109	.031	.213	.107	.031	.205	.105	.031	.197	.102	.030	.190	.100	.030	
7.0	.201	.100	.028	.198	.098	.028	.190	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.188	.092	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025	
9.0	.176	.085	.024	.173	.084	.024	.167	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.075	.021	.147	.074	.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
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	.198	.172	.148	.169	.147	.128	.116	.101	.088	.067	.059	.051	.021	.019	.017	
2.0	.190	.148	.112	.163	.127	.097	.111	.088	.068	.064	.051	.040	.021	.017	.013	
3.0	.182	.130	.089	.156	.112	.077	.107	.078	.054	.062	.046	.032	.020	.015	.010	
4.0	.174	.117	.073	.150	.101	.064	.103	.071	.045	.060	.041	.027	.019	.013	.009	
5.0	.167	.107	.063	.143	.092	.054	.099	.065	.038	.057	.038	.023	.018	.012	.008	
6.0	.160	.099	.055	.137	.085	.048	.095	.060	.034	.055	.035	.020	.018	.011	.007	
7.0	.153	.092	.049	.131	.080	.043	.091	.056	.030	.053	.033	.018	.017	.011	.006	
8.0	.146	.086	.045	.126	.075	.039	.087	.052	.028	.051	.031	.016	.016	.010	.005	
9.0	.140	.081	.041	.120	.070	.036	.083	.049	.026	.049	.029	.015	.016	.010	.005	
10.0	.134	.077	.039	.116	.067	.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: L
Test Date: 2020-08-17

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.300m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.33V I:0.1639A P:19.644W PF:0.9963 Freq:59.98Hz Lamp Flux:1559.13x1 lm										
NAME:					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					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	16.0	17.6	16.3	17.9	18.3	15.8	17.4	16.2	17.8	18.1
3H 4H 6H 8H 12H	18.0	19.4	18.4	19.8	20.2	17.8	19.2	18.2	19.6	20.0
	18.8	20.2	19.2	20.6	21.0	18.6	20.0	19.0	20.4	20.8
4H 2H	19.5	20.8	20.0	21.2	21.7	19.3	20.6	19.7	21.0	21.4
3H 4H 6H 8H	19.8	21.1	20.3	21.5	22.0	19.6	20.8	20.0	21.2	21.7
12H	20.1	21.3	20.6	21.7	22.2	19.8	21.0	20.3	21.5	21.9
8H 4H	16.6	18.0	17.1	18.4	18.8	16.4	17.8	16.9	18.2	18.7
6H 8H 12H	18.9	20.1	19.3	20.5	21.0	18.7	19.8	19.1	20.3	20.7
	19.9	20.9	20.3	21.4	21.9	19.6	20.7	20.1	21.1	21.6
12H 4H	20.8	21.7	21.2	22.2	22.7	20.5	21.4	21.0	21.9	22.4
6H	21.1	22.0	21.6	22.5	23.0	20.8	21.7	21.3	22.2	22.7
8H	21.5	22.3	22.0	22.8	23.3	21.2	22.0	21.7	22.5	23.0
	20.3	21.2	20.8	21.6	22.1	20.0	20.9	20.5	21.4	21.9
	21.3	22.1	21.8	22.6	23.1	21.0	21.8	21.5	22.3	22.8
	21.8	22.5	22.4	23.0	23.6	21.5	22.2	22.0	22.7	23.2
	22.3	22.9	22.9	23.4	24.1	22.0	22.6	22.5	23.1	23.7
	20.3	21.1	20.8	21.6	22.2	20.1	20.9	20.6	21.4	21.9
	21.4	22.1	22.0	22.6	23.2	21.1	21.8	21.7	22.3	22.9
	22.0	22.6	22.5	23.1	23.7	21.7	22.3	22.2	22.8	23.4
CIE190: 2010										

CIE190: 2010
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: L
Test Date: 2020-08-17

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.300m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.33V I:0.1639A P:19.644W PF:0.9963 Freq:59.98Hz Lamp Flux:1559.13x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

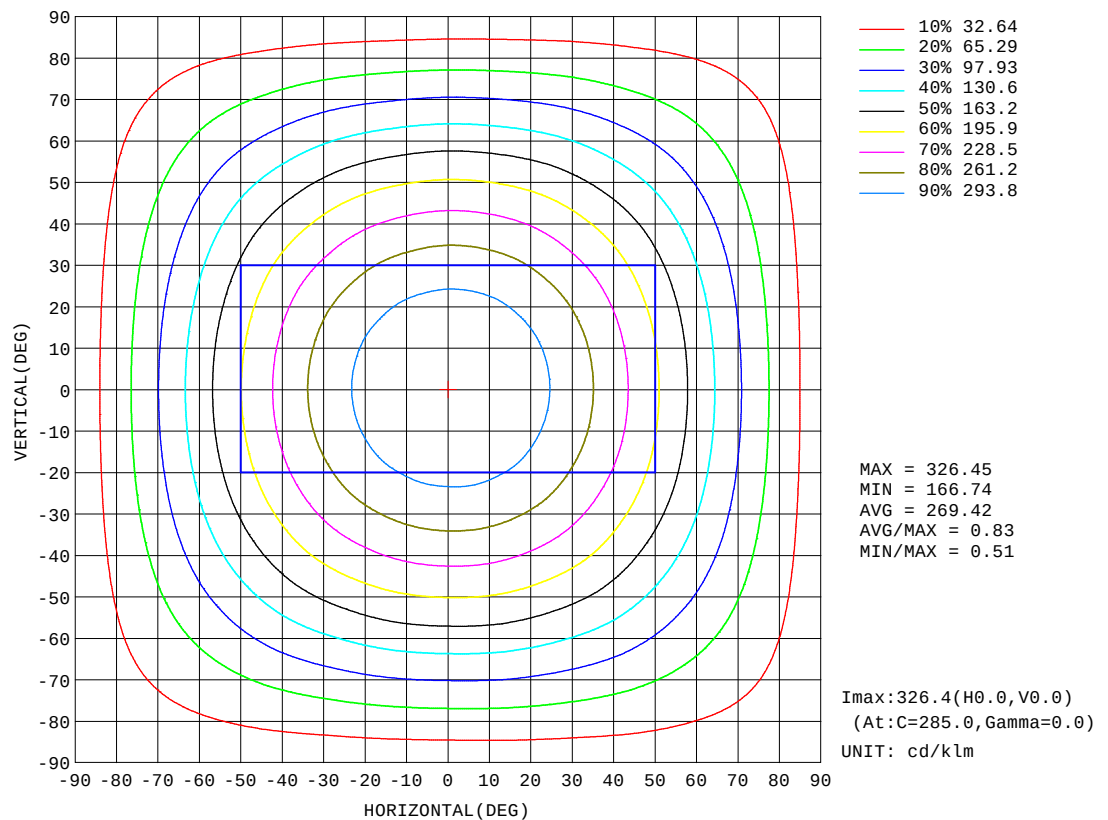
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	43	37	30
0.80	66	54	46	65	53	46	63	52	45	38
1.00	74	62	55	73	62	55	70	63	54	46
1.25	81	70	63	79	69	62	76	68	61	53
1.50	86	76	68	84	75	68	81	73	66	58
2.00	93	84	77	91	82	76	87	80	74	66
2.50	97	89	82	95	87	81	91	84	79	70
3.00	100	93	87	98	91	86	94	88	83	74
4.00	105	98	93	102	96	92	97	93	89	79
5.00	107	102	97	104	100	96	100	96	92	82
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: L
Test Date: 2020-08-17

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.33V I:0.1639A P:19.644W PF:0.9963 Freq:59.98Hz Lamp Flux:1559.13x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



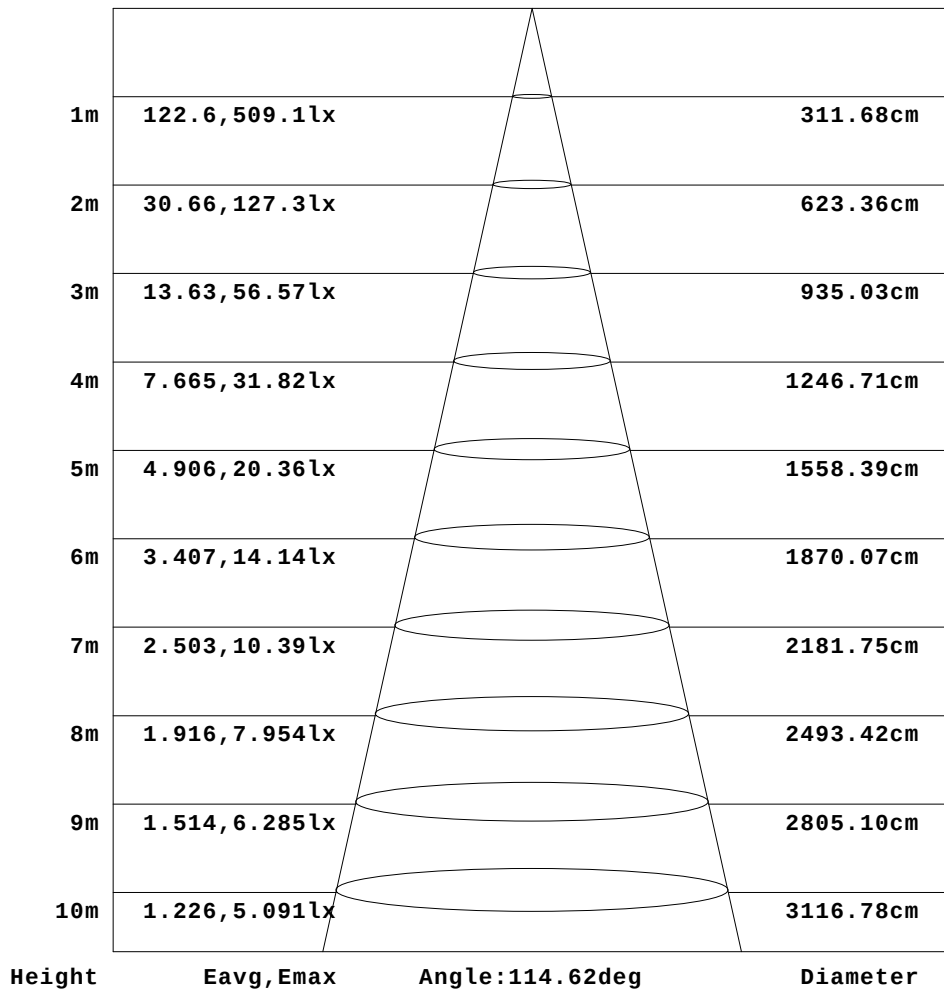
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: L
Test Date: 2020-08-17

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.33V I:0.1639A P:19.644W PF:0.9963 Freq:59.98Hz Lamp Flux:1559.13x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:1156 lm



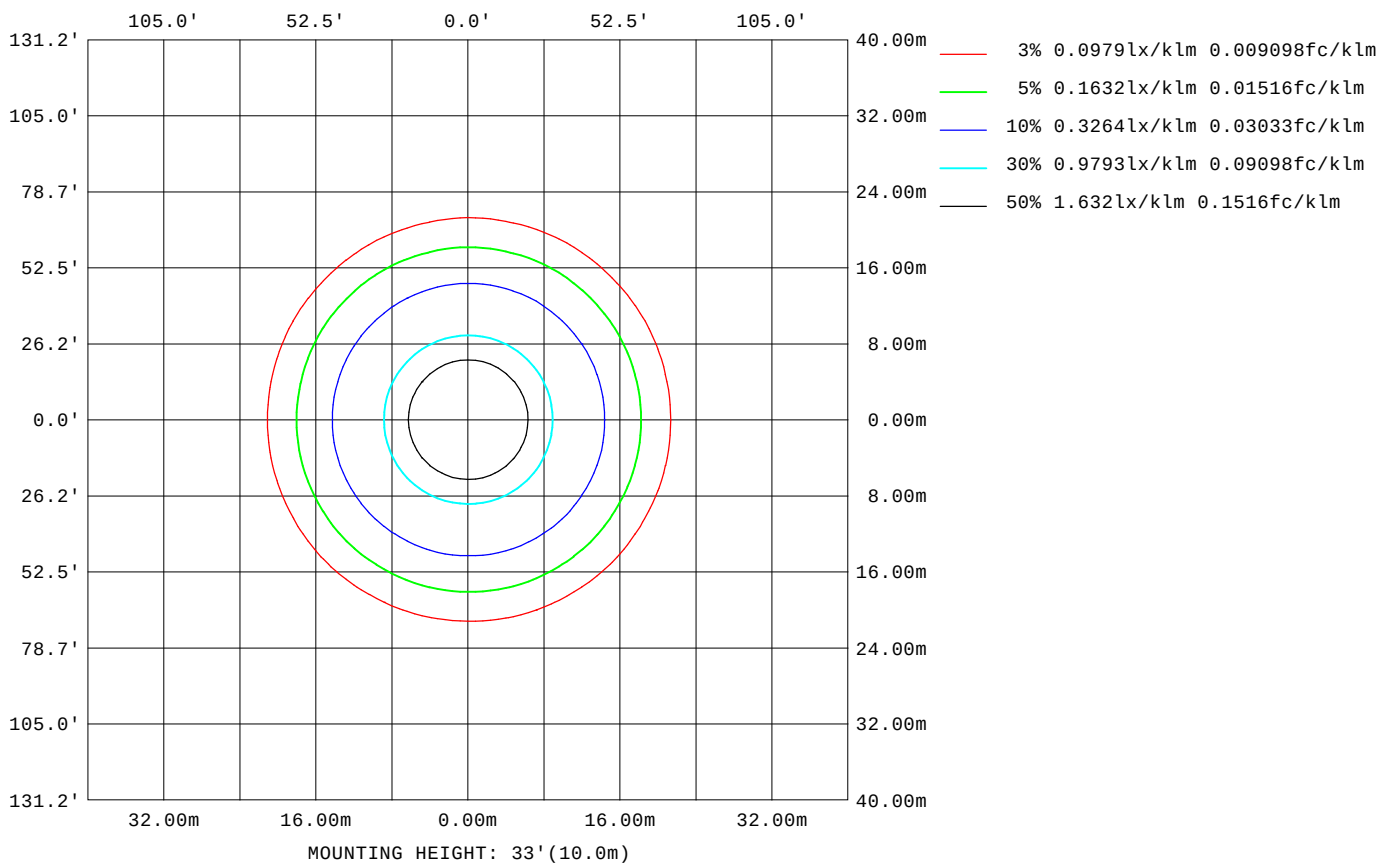
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-08-17

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.300m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.33V I:0.1639A P:19.644W PF:0.9963 Freq:59.98Hz Lamp Flux:1559.13x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: L
Test Date: 2020-08-17

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.300m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.33V I:0.1639A P:19.644W PF:0.9963 Freq:59.98Hz Lamp Flux:1559.13x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

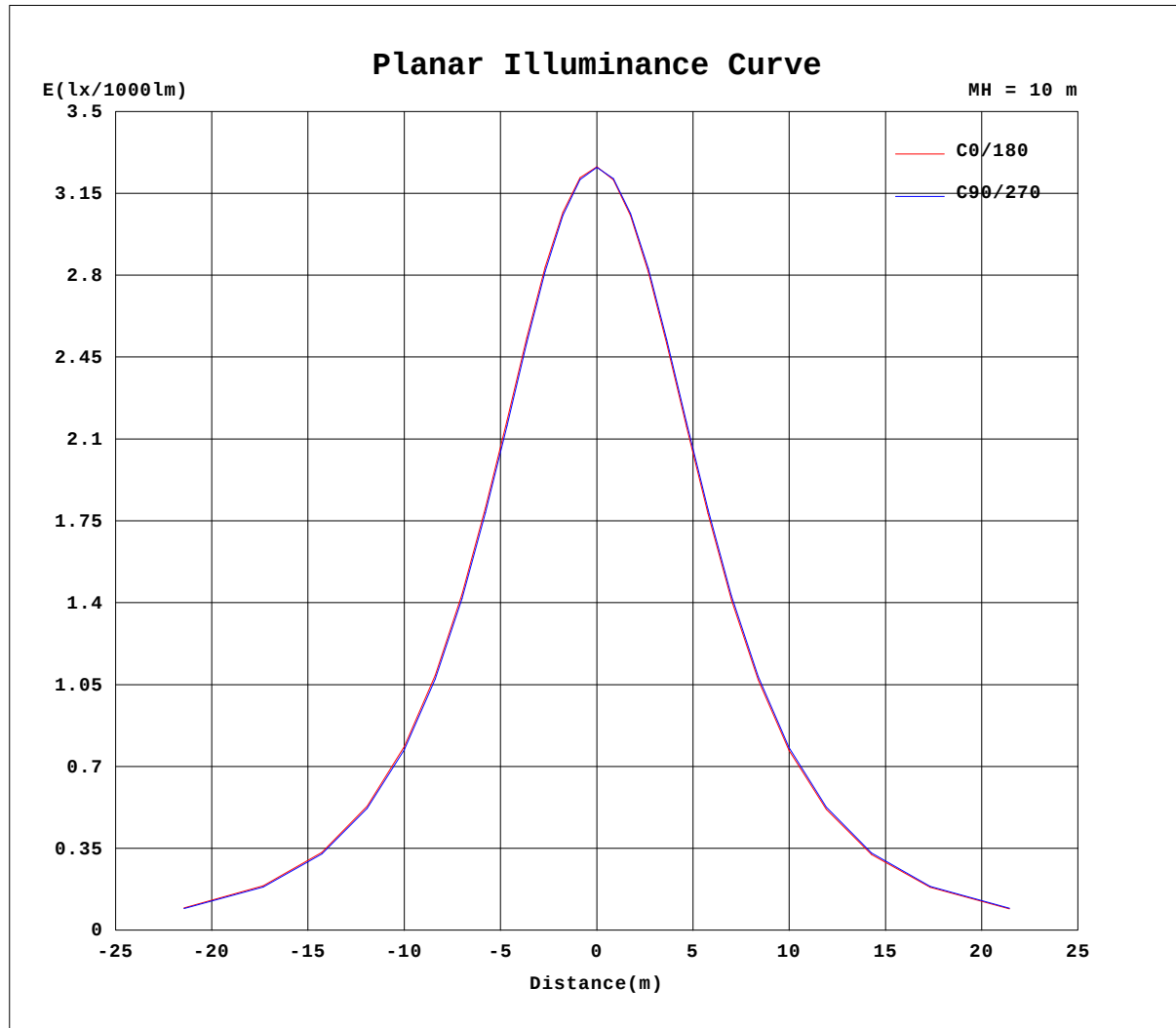
AvgL	cd/m2
L_0~180(65)av	4612
L_0~180(75)av	4501
L_0~180(85)av	5481
L_90~270(65)av	4617
L_90~270(75)av	4511
L_90~270(85)av	5519
L_45(65)av	4614
L_45(75)av	4505
L_45(85)av	5495

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:L
 Test Date:2020-08-17

g Range: 0 - 180DEG
 g Interval: 5.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
 Humidity:65.0%
 Test Distance:8.300m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: L
Test Date: 2020-08-17

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity: 65.0%
Test Distance: 8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.33V I:0.1639A P:19.644W PF:0.9963 Freq:59.98Hz Lamp Flux:1559.13x1 lm																	
NAME:									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.:						Shielding Angle:		

Table--1
UNIT: cd/klm

C(DEG) g (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326	326
5	325	325	325	325	325	325	325	325	325	325	324	324	324	325	325	325	325	325	325
10	321	321	321	321	321	320	320	320	320	320	320	320	320	320	320	320	320	321	321
15	314	314	314	314	313	313	313	312	312	312	312	312	312	312	313	313	313	313	314
20	305	305	304	304	303	303	303	302	302	302	302	302	302	302	303	302	303	304	304
25	293	293	292	292	291	291	290	290	289	289	289	289	289	290	290	290	291	291	292
30	278	278	278	277	277	276	275	275	274	274	274	274	274	275	275	275	276	276	277
35	261	261	261	261	260	259	258	258	257	257	257	257	257	257	258	258	259	259	261
40	243	243	242	242	241	241	239	239	238	238	238	238	238	238	239	239	240	240	242
45	222	222	222	222	220	220	219	218	217	218	217	217	217	218	218	218	219	220	221
50	200	200	200	200	198	198	197	196	195	196	195	195	195	195	196	196	197	198	199
55	177	177	176	177	175	175	173	173	172	173	172	172	172	172	173	172	174	174	176
60	153	153	152	152	151	151	149	149	148	148	147	148	148	147	148	148	149	150	151
65	128	128	127	128	126	126	124	124	123	123	122	122	122	122	123	123	124	124	126
70	102	102	102	102	101	101	99.0	98.7	97.5	98.0	97.1	97.2	97.2	97.0	98.0	97.4	98.8	98.9	101
75	77.2	77.3	76.9	77.3	76.2	75.9	74.5	73.9	73.0	73.2	72.5	72.3	72.2	72.3	73.0	72.6	73.7	73.9	75.3
80	53.3	53.4	53.1	53.4	52.5	52.2	51.0	50.4	49.6	49.7	49.1	48.9	48.7	48.7	49.3	49.0	50.0	50.1	51.4
85	32.5	32.7	32.4	32.7	32.0	31.9	30.9	30.5	29.7	29.8	29.2	29.1	28.8	28.8	29.2	29.0	29.6	29.8	30.8
90	16.7	16.8	16.6	16.9	16.4	16.3	15.6	15.4	14.9	15.1	14.7	14.6	14.4	14.4	14.6	14.4	15.0	15.0	15.6
95	6.73	6.70	5.93	5.00	6.26	6.55	6.28	6.17	5.58	5.69	5.88	5.98	5.84	5.81	5.65	5.39	5.69	5.87	6.17
100	1.82	1.31	0.93	1.03	1.09	0.83	0.86	0.89	1.25	1.08	1.20	2.02	2.21	1.84	1.02	1.05	1.04	0.80	0.78
105	1.43	1.33	1.29	1.11	1.12	1.14	1.16	1.19	1.17	1.16	1.44	1.43	1.70	1.39	1.16	1.01	1.04	1.02	1.04
110	2.29	2.04	1.69	1.52	1.35	1.37	1.37	1.44	1.48	1.68	1.94	1.82	2.00	2.22	1.78	1.64	1.25	1.21	1.23
115	2.23	2.11	2.17	2.16	2.21	2.19	2.08	2.30	2.20	2.15	2.30	2.26	2.20	2.21	2.12	2.12	2.39	2.12	2.01
120	2.60	2.65	2.70	2.49	2.78	2.78	2.65	2.76	2.52	2.55	2.51	2.69	2.55	2.54	2.62	2.67	2.74	2.57	2.59
125	2.96	2.98	3.16	2.84	2.94	2.99	2.90	2.96	2.91	3.05	2.88	2.99	3.00	3.08	3.31	3.10	3.07	2.94	3.03
130	3.36	3.49	3.52	2.82	3.33	3.28	3.22	3.31	3.54	3.07	3.25	3.44	3.38	3.56	3.61	2.87	3.32	3.16	3.38
135	3.61	3.84	2.61	3.13	3.84	3.78	3.79	3.89	4.10	3.06	2.61	3.76	3.57	3.81	2.92	2.42	3.56	3.03	3.55
140	3.90	3.84	2.12	2.52	3.55	3.71	4.26	3.69	3.40	3.25	2.15	3.49	3.84	3.53	2.16	2.01	3.16	3.32	3.77
145	2.29	2.32	2.20	2.23	3.58	3.77	3.90	3.63	3.47	2.42	2.23	2.50	2.26	2.24	2.21	1.99	2.02	2.24	3.64
150	2.37	2.47	2.09	2.38	2.95	2.87	4.17	2.56	3.00	2.33	2.27	2.48	2.32	2.43	2.28	2.33	2.41	2.30	4.14
155	2.22	3.05	2.60	2.37	2.32	2.63	3.23	2.52	2.83	2.21	2.41	3.01	2.23	3.17	2.34	2.98	2.14	2.20	2.87
160	2.35	3.16	3.81	2.36	2.30	2.38	2.75	2.59	2.43	2.31	4.24	4.55	2.42	3.58	3.37	2.48	2.25	2.25	2.29
165	2.66	3.65	3.52	2.68	2.57	3.06	3.81	3.89	2.45	2.52	2.65	2.97	2.44	3.28	2.98	2.63	2.52	3.57	2.85
170	2.43	2.46	2.60	2.70	2.60	2.64	3.08	2.86	2.86	2.77	2.68	2.68	2.43	2.45	2.49	2.67	2.66	3.09	3.85
175	2.50	2.50	2.50	2.51	2.58	2.69	2.73	2.73	2.74	2.72	2.57	2.53	2.51	2.51	2.54	2.59	2.64	2.72	2.82
180	2.54	2.54	2.55	2.55	2.54	2.53	2.54	2.54	2.54	2.55	2.54	2.53	2.54	2.54	2.55	2.55	2.55	2.53	2.53

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:L
Test Date:2020-08-17

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.33V I:0.1639A P:19.644W PF:0.9963 Freq:59.98Hz Lamp Flux:1559.13x1 lm					
NAME:			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.:		Shielding Angle:

Table--2
UNIT: cd/klm

C(DEG) g (DEG)	285	300	315	330	345														
0	326	326	326	326	326														
5	325	325	325	325	325														
10	321	321	321	321	321														
15	314	315	314	314	315														
20	305	305	305	305	305														
25	292	293	293	293	293														
30	278	278	278	278	278														
35	261	262	261	262	262														
40	242	243	242	243	243														
45	221	222	222	222	223														
50	199	200	200	200	200														
55	176	177	176	177	177														
60	151	153	152	153	153														
65	126	127	127	128	128														
70	101	102	101	102	102														
75	75.6	76.5	76.1	76.8	76.9														
80	51.7	52.5	52.1	52.8	53.0														
85	31.1	31.7	31.4	31.9	32.2														
90	15.8	16.2	15.8	16.2	16.4														
95	6.20	6.20	5.56	6.00	6.47														
100	0.81	1.02	1.03	0.84	1.38														
105	1.05	1.19	1.07	1.15	1.28														
110	1.26	1.28	1.51	1.75	1.99														
115	2.05	1.95	2.03	2.22	2.01														
120	2.50	2.48	2.51	2.39	2.49														
125	3.01	3.00	3.11	2.88	2.89														
130	3.28	2.93	3.07	3.31	3.32														
135	3.08	3.88	2.16	2.90	3.70														
140	3.41	3.09	2.61	2.27	3.80														
145	2.21	2.05	1.90	2.18	2.33														
150	2.22	2.33	2.01	2.04	2.46														
155	2.13	2.78	2.28	2.42	2.81														
160	2.31	2.43	2.43	3.86	4.19														
165	3.58	2.43	2.38	2.46	2.95														
170	3.11	2.67	2.65	2.47	2.39														
175	2.72	2.72	2.70	2.62	2.50														
180	2.54	2.55	2.55	2.54	2.53														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:L
Test Date:2020-08-17

g Range: 0 - 180DEG
g Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.426
Humidity:65.0%
Test Distance:8.300m [K=1.0000]
Remarks: