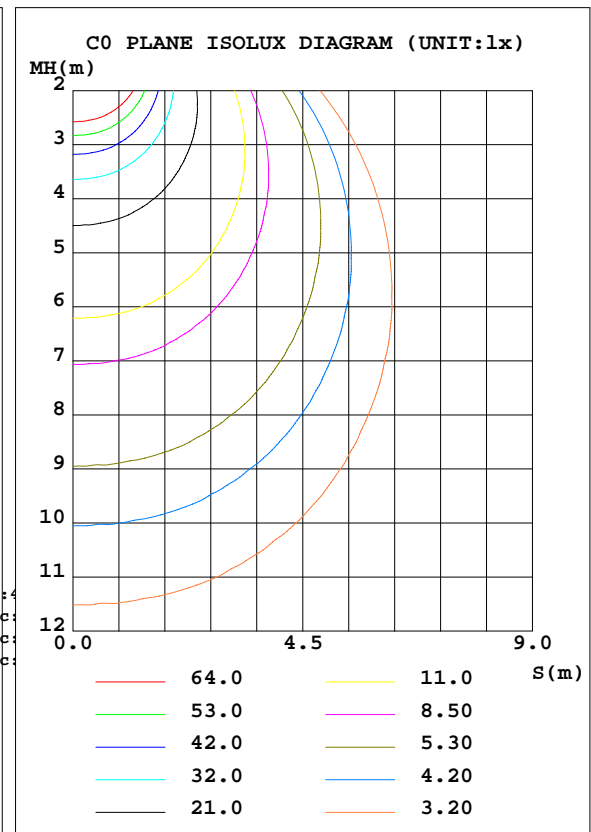
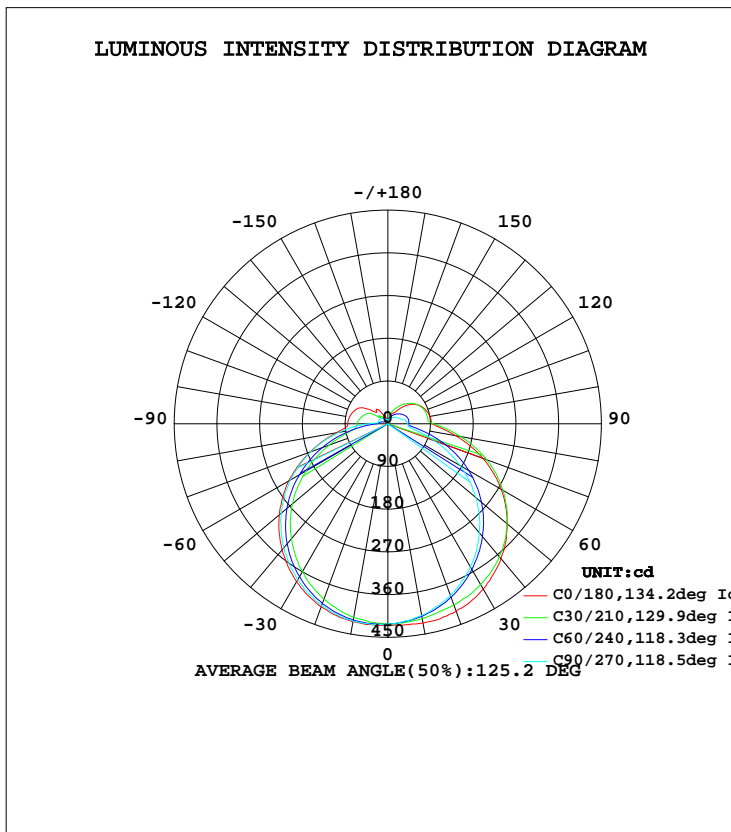


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.2002A P:23.63W PF:0.9835 Lamp Flux:1754.14x1 lm		
NAME: 2009XLEDMG-BRZ/ACR	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Access Lighting	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 74.24 lm/W			
MODEL	2009XLEDMG-BRZ/ACR	I _{max} (cd)	426.3	S/MH(C0/180)	1.34
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.34
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1754.1	η UP, DN(C0-180)	8.4,40.7
NOMINAL FLUX(lm)	1754.14	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	7.3,43.5
LAMPS INSIDE	1	η up(%)	15.7	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	84.3	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-10

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	426.3	414.2	410.0	416.2	423.5	418.0	422.1	423.0	0- 10	40.11	40.11	2.29,2.29
20	420.5	395.4	385.4	397.5	410.6	399.4	408.0	421.4	10- 20	116.6	156.7	8.93,8.93
30	401.8	370.3	347.7	366.3	384.6	368.2	379.8	406.7	20- 30	181.0	337.6	19.2,19.2
40	371.1	334.7	300.0	323.9	346.9	325.0	341.1	379.6	30- 40	225.6	563.2	32.1,32.1
50	328.1	289.9	242.8	270.8	298.7	272.4	293.2	339.6	40- 50	244.7	808.0	46.1,46.1
60	275.5	235.0	175.6	209.0	241.5	211.2	237.5	289.5	50- 60	235.8	1044	59.5,59.5
70	212.8	170.4	103.9	142.2	174.5	143.5	172.5	227.8	60- 70	199.5	1243	70.9,70.9
80	145.0	104.6	48.11	87.65	110.8	75.84	104.9	160.1	70- 80	143.2	1387	79,79
90	93.80	64.79	42.27	80.82	84.82	41.15	40.98	95.38	80- 90	91.65	1478	84.3,84.3
100	90.00	65.39	38.21	77.07	82.09	37.34	20.23	77.45	90-100	69.10	1547	88.2,88.2
110	85.25	63.39	29.61	65.68	76.77	29.65	20.51	73.99	100-110	62.03	1609	91.7,91.7
120	77.00	58.42	24.80	43.11	67.38	19.09	19.14	68.64	110-120	50.97	1660	94.6,94.6
130	63.50	50.64	21.04	40.34	42.35	10.90	17.37	60.57	120-130	38.72	1699	96.9,96.9
140	44.13	41.25	17.62	22.69	38.41	10.58	15.76	49.38	130-140	26.50	1725	98.4,98.4
150	26.76	30.83	14.73	13.27	26.90	6.678	13.57	37.05	140-150	16.20	1742	99.3,99.3
160	19.31	20.29	11.08	7.545	18.38	7.002	10.60	24.27	150-160	8.211	1750	99.8,99.8
170	9.546	12.80	9.251	7.297	8.748	7.055	8.753	13.51	160-170	3.378	1753	99.9,99.9
180	8.896	9.659	9.466	8.115	8.916	9.636	9.466	8.045	170-180	0.8791	1754	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

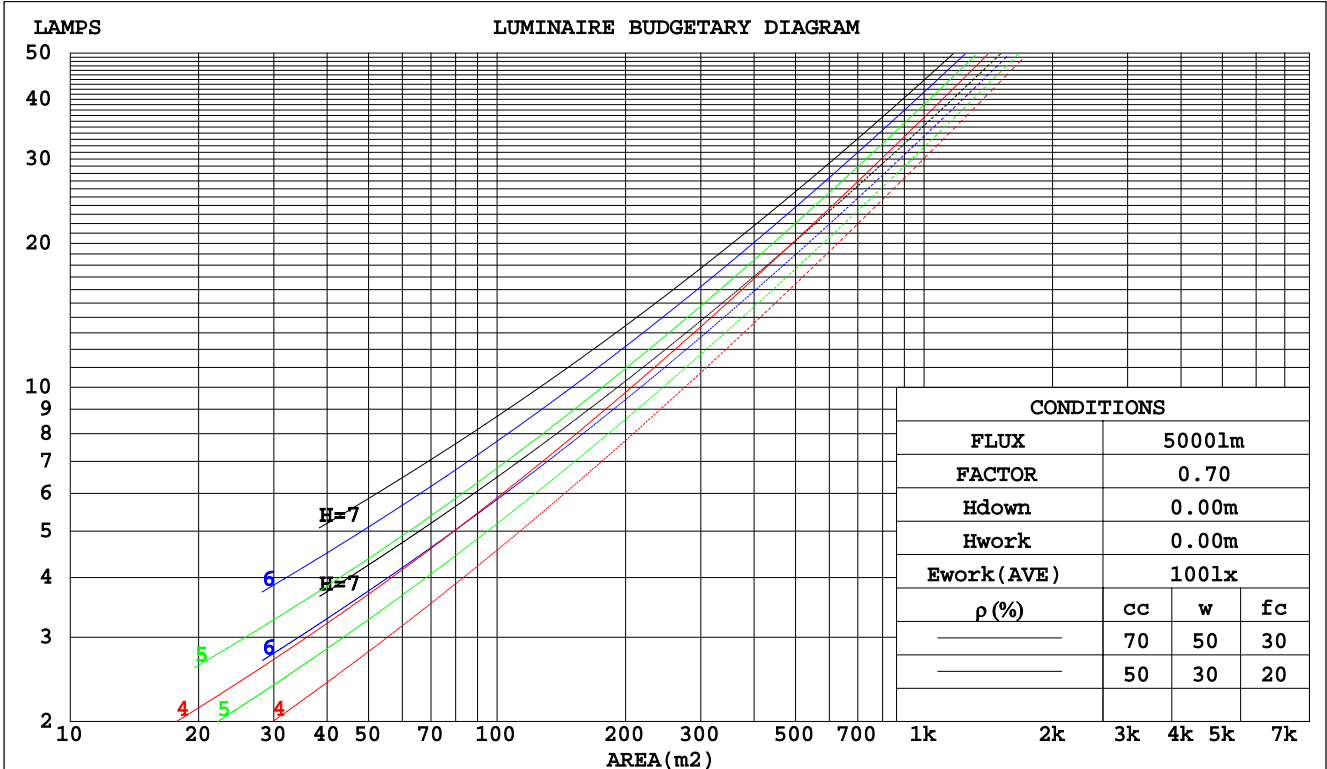
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-10

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2002A P:23.63W PF:0.9835 Lamp Flux:1754.14x1 lm		
NAME: 2009XLEDMG-BRZ/ACR	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Access Lighting	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	1.15	1.15	1.15	1.11	1.11	1.11	1.02	1.02	1.02	.95	.95	.95	.88	.88	.88	.84
1.0	.98	.93	.88	.94	.89	.85	.87	.83	.80	.80	.77	.75	.74	.72	.70	.66
2.0	.84	.77	.70	.81	.74	.68	.75	.69	.64	.69	.65	.61	.64	.60	.57	.54
3.0	.73	.65	.58	.70	.62	.56	.65	.59	.53	.60	.55	.50	.56	.51	.47	.44
4.0	.64	.55	.48	.62	.54	.47	.57	.50	.45	.53	.47	.42	.49	.44	.40	.37
5.0	.57	.48	.41	.55	.47	.40	.51	.44	.38	.48	.41	.36	.44	.39	.35	.32
6.0	.51	.42	.36	.49	.41	.35	.46	.39	.33	.43	.37	.32	.40	.34	.30	.28
7.0	.46	.37	.31	.45	.36	.30	.42	.34	.29	.39	.33	.28	.36	.31	.27	.24
8.0	.42	.33	.27	.41	.33	.27	.38	.31	.26	.36	.29	.25	.33	.28	.24	.22
9.0	.38	.30	.25	.37	.29	.24	.35	.28	.23	.33	.27	.22	.31	.25	.21	.19
10.0	.35	.27	.22	.34	.27	.22	.32	.26	.21	.30	.24	.20	.28	.23	.19	.17



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-10

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:0.2002A P:23.63W PF:0.9835 Lamp Flux:1754.14x1 lm		
NAME: 2009XLEDMG-BRZ/ACR	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Access Lighting	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	.355	.202	.064	.343	.195	.062	.320	.184	.059	.300	.173	.055	.281	.163	.052	
2.0	.316	.173	.053	.305	.168	.052	.285	.158	.049	.266	.149	.047	.249	.141	.044	
3.0	.285	.152	.045	.275	.147	.044	.257	.139	.042	.240	.132	.040	.224	.124	.038	
4.0	.259	.134	.040	.250	.131	.039	.234	.124	.037	.218	.117	.035	.204	.111	.034	
5.0	.237	.121	.035	.229	.117	.034	.214	.111	.033	.200	.105	.031	.187	.100	.030	
6.0	.218	.109	.031	.211	.106	.031	.197	.101	.029	.184	.096	.028	.172	.091	.027	
7.0	.202	.100	.028	.195	.097	.028	.183	.092	.027	.171	.088	.026	.160	.083	.024	
8.0	.187	.092	.026	.182	.089	.025	.170	.085	.024	.159	.081	.023	.149	.077	.022	
9.0	.175	.085	.024	.170	.083	.023	.159	.079	.022	.149	.075	.021	.140	.071	.021	
10.0	.164	.079	.022	.159	.077	.021	.149	.073	.021	.140	.070	.020	.132	.066	.019	

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	.310	.310	.310	.265	.265	.265	.181	.181	.181	.104	.104	.104	.033	.033	.033	
1.0	.304	.277	.252	.260	.237	.217	.178	.163	.150	.103	.095	.087	.033	.030	.028	
2.0	.297	.253	.217	.254	.218	.187	.174	.151	.131	.101	.088	.077	.032	.028	.025	
3.0	.290	.237	.195	.248	.204	.169	.170	.142	.118	.098	.083	.070	.032	.027	.023	
4.0	.282	.224	.180	.242	.194	.156	.166	.135	.110	.096	.079	.065	.031	.026	.021	
5.0	.275	.214	.170	.236	.185	.147	.162	.129	.104	.094	.076	.062	.030	.025	.020	
6.0	.267	.206	.162	.230	.179	.141	.159	.125	.100	.092	.074	.059	.030	.024	.020	
7.0	.260	.199	.157	.224	.173	.137	.155	.121	.097	.090	.071	.058	.029	.023	.019	
8.0	.254	.194	.153	.219	.168	.133	.151	.118	.094	.088	.070	.056	.028	.023	.019	
9.0	.248	.189	.149	.213	.164	.130	.148	.115	.093	.086	.068	.055	.028	.022	.018	
10.0	.242	.185	.147	.209	.161	.128	.145	.113	.091	.084	.067	.054	.027	.022	.018	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-10

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:0.2002A P:23.63W PF:0.9835 Lamp Flux:1754.14x1 lm										
NAME: 2009XLEDMG-BRZ/ACR					TYPE:LED			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: Access Lighting					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	18.5	19.8	19.0	20.3	20.8	15.9	17.3	16.4	17.8	18.3
3H	20.8	22.0	21.3	22.5	23.1	17.2	18.4	17.7	18.9	19.5
4H	21.9	23.1	22.4	23.6	24.2	17.6	18.8	18.2	19.3	19.9
6H	23.0	24.1	23.6	24.7	25.3	18.0	19.1	18.5	19.6	20.2
8H	23.6	24.6	24.1	25.2	25.8	18.2	19.2	18.7	19.8	20.4
12H	24.2	25.2	24.7	25.8	26.4	18.5	19.5	19.0	20.1	20.7
4H 2H	18.9	20.1	19.5	20.6	21.2	17.0	18.2	17.6	18.7	19.3
3H	21.5	22.6	22.1	23.1	23.8	18.4	19.5	19.0	20.0	20.7
4H	22.9	23.9	23.5	24.4	25.1	19.0	19.9	19.6	20.5	21.2
6H	24.3	25.1	24.9	25.8	26.4	19.3	20.2	20.0	20.8	21.5
8H	25.0	25.8	25.6	26.4	27.1	19.5	20.3	20.2	21.0	21.7
12H	25.7	26.5	26.4	27.1	27.8	19.9	20.6	20.5	21.2	22.0
8H 4H	23.1	23.9	23.8	24.5	25.3	19.9	20.7	20.5	21.3	22.0
6H	24.8	25.5	25.5	26.2	26.9	20.4	21.1	21.1	21.8	22.5
8H	25.8	26.4	26.5	27.0	27.8	20.7	21.3	21.4	22.0	22.7
12H	26.8	27.3	27.5	28.0	28.8	21.0	21.6	21.7	22.3	23.1
12H 4H	23.1	23.8	23.7	24.5	25.2	20.2	20.9	20.8	21.5	22.3
6H	24.9	25.5	25.6	26.1	26.9	20.9	21.5	21.6	22.2	23.0
8H	25.9	26.4	26.6	27.1	27.9	21.3	21.8	22.0	22.5	23.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.4					+ 0.1 / - 0.2				
2.0H	+ 0.3 / - 0.5					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1754 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.0)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-10

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:0.2002A P:23.63W PF:0.9835 Lamp Flux:1754.14x1 lm		
NAME: 2009XLEDMG-BRZ/ACR	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Access Lighting	SUR.:	PROTECTION ANGLE:

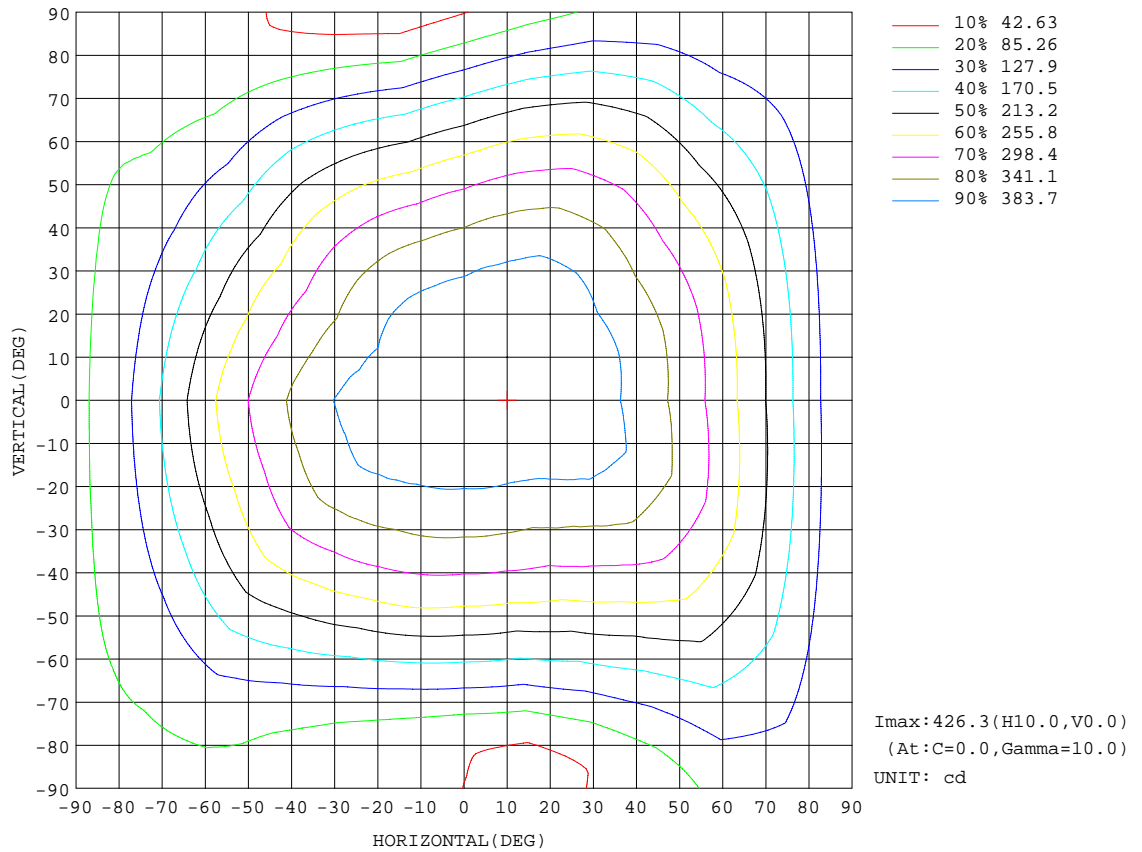
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	50	38	30	49	37	30	47	36	30	23
0.80	59	47	39	58	46	38	55	44	38	30
1.00	67	55	47	65	54	46	62	54	45	37
1.25	74	62	54	72	61	53	68	58	52	42
1.50	79	68	60	77	66	59	72	63	57	47
2.00	87	76	69	84	74	67	78	70	64	53
2.50	91	81	74	88	79	72	82	75	69	57
3.00	95	86	79	91	83	77	85	79	73	61
4.00	99	92	86	95	89	84	89	83	79	65
5.00	102	96	90	98	92	88	91	86	83	68
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:
 Test Date:2022-05-10

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:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2002A P:23.63W PF:0.9835 Lamp Flux:1754.14x1 lm		
NAME: 2009XLEDMG-BRZ/ACR	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Access Lighting	SUR.:	PROTECTION ANGLE:

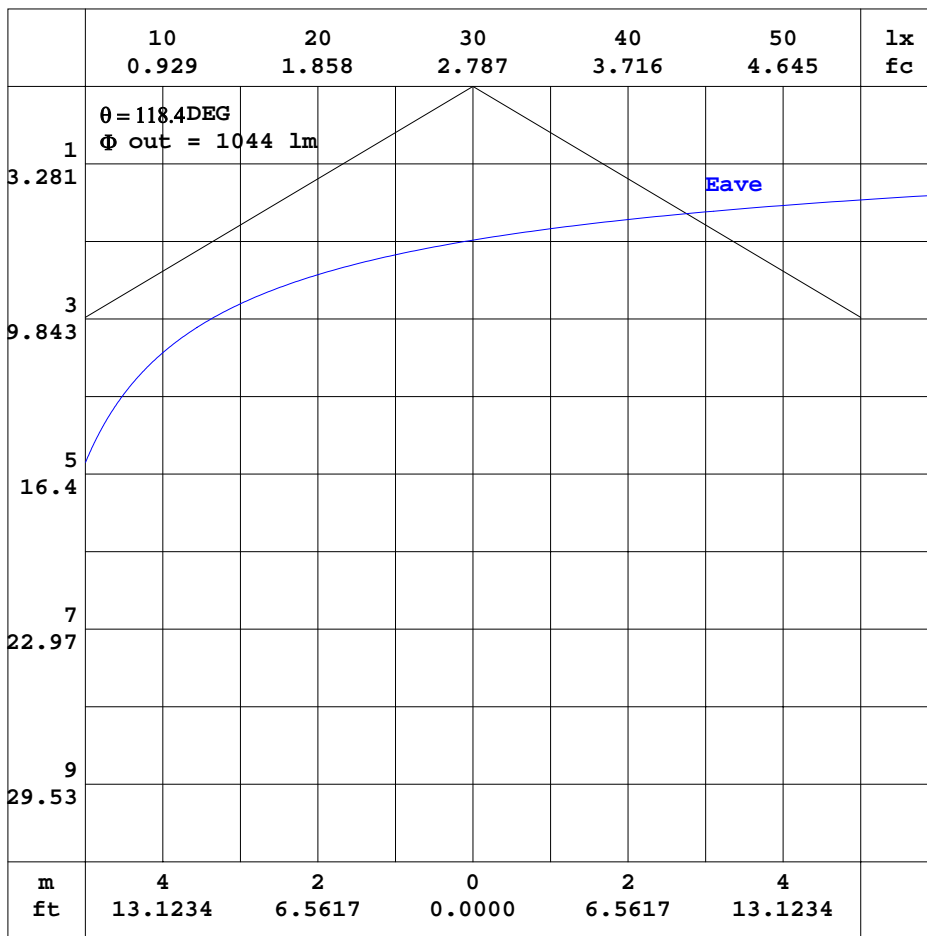


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-10

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:0.2002A P:23.63W PF:0.9835 Lamp Flux:1754.14x1 lm		
NAME: 2009XLEDMG-BRZ/ACR	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Access Lighting	SUR.:	PROTECTION ANGLE:



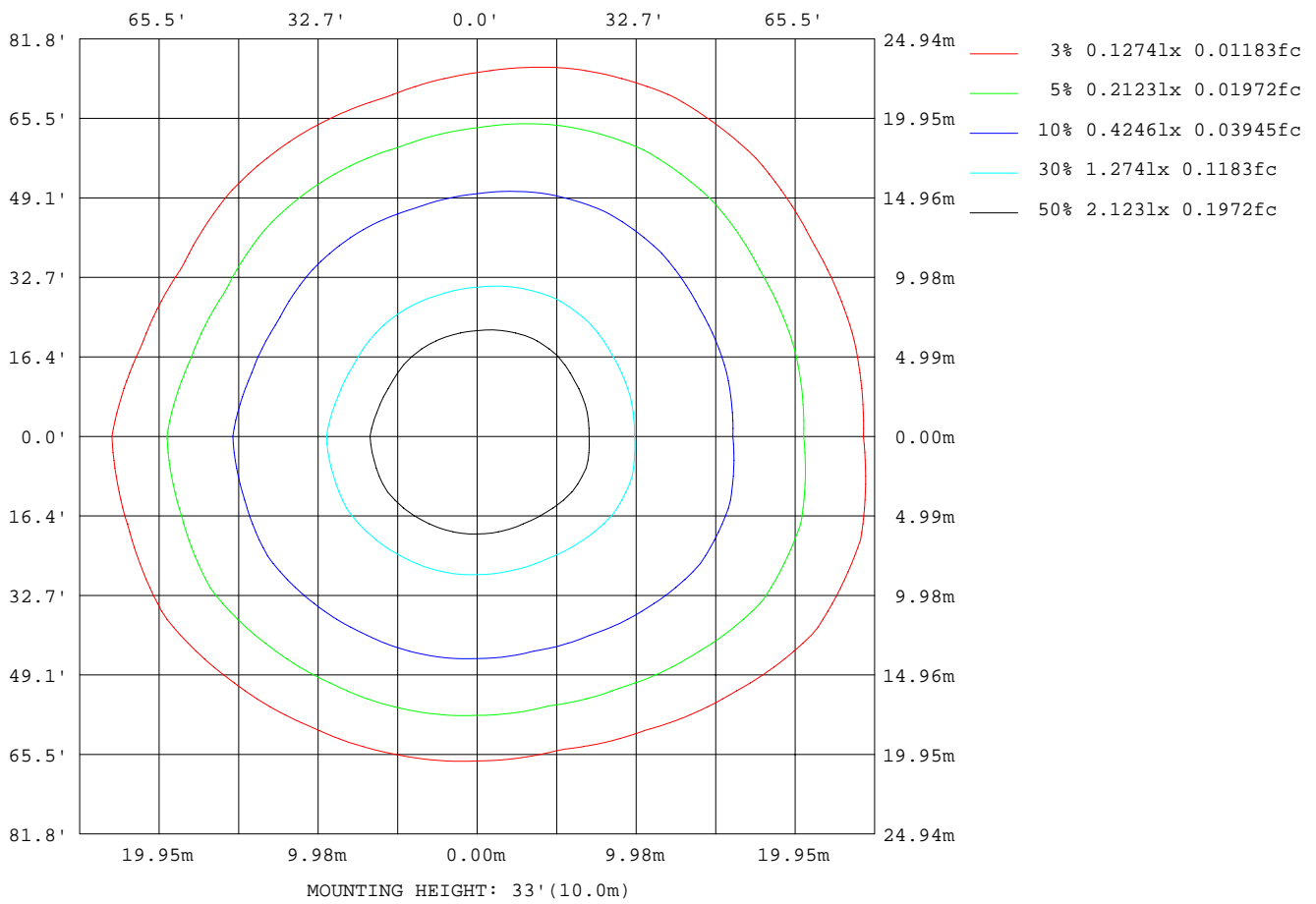
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-10

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:0.2002A P:23.63W PF:0.9835 Lamp Flux:1754.14x1 lm		
NAME: 2009XLEDMG-BRZ/ACR	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Access Lighting	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-10

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:0.2002A P:23.63W PF:0.9835 Lamp Flux:1754.14x1 lm		
NAME: 2009XLEDMG-BRZ/ACR	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Access Lighting	SUR.:	PROTECTION ANGLE:

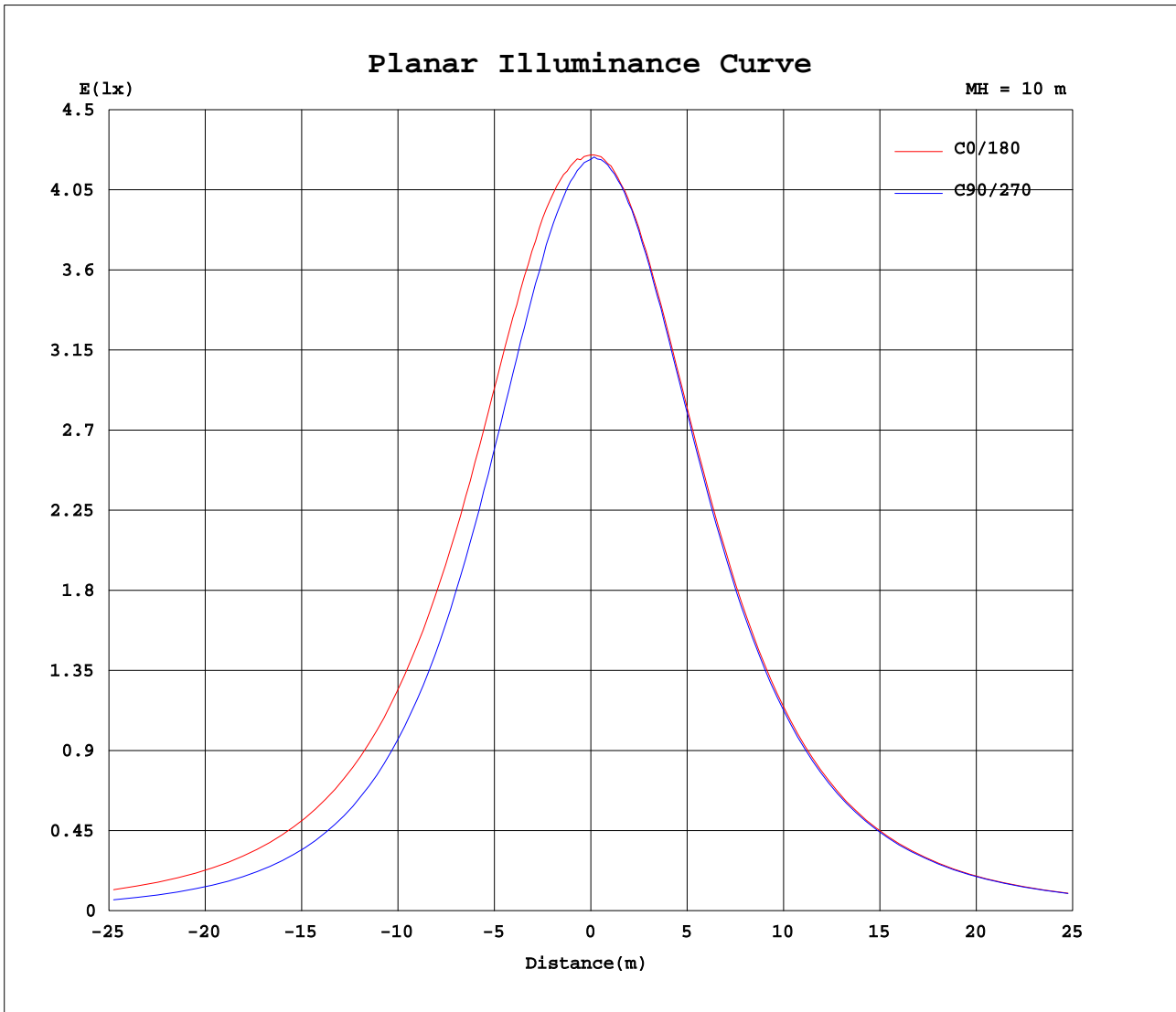
AvgL	cd/m2
L_0~180(65)av	5366
L_0~180(75)av	6187
L_0~180(85)av	11632
L_90~270(65)av	4087
L_90~270(75)av	4067
L_90~270(85)av	6565
L_45(65)av	4836
L_45(75)av	5315
L_45(85)av	9613

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-10

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-10

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:0.2002A P:23.63W PF:0.9835 Lamp Flux:1754.14x1 lm		
NAME: 2009XLEDMG-BRZ/ACR	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Access Lighting	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	425	424	421	422	422	421	422	422	422	422	422	421	425	424	421	422	422	421	422
5	425	423	420	420	418	418	417	418	418	420	421	420	425	422	420	422	423	424	424
10	426	421	417	414	412	410	410	410	411	416	418	419	423	418	414	418	420	421	422
15	425	421	411	405	402	399	398	400	403	407	414	413	418	411	405	411	413	415	416
20	421	418	406	395	389	387	385	387	389	398	405	405	411	399	393	399	403	405	408
25	413	415	401	383	373	370	368	371	374	384	394	393	399	384	378	385	389	391	395
30	402	405	391	370	354	350	348	351	356	366	379	377	385	369	360	368	372	374	380
35	387	395	380	353	333	326	326	330	335	348	362	361	367	348	339	348	353	355	361
40	371	380	365	335	310	301	300	306	312	324	341	341	347	326	316	325	330	332	341
45	352	363	349	313	285	273	273	279	285	298	317	317	324	300	291	300	305	307	319
50	328	343	328	290	258	243	243	249	256	271	291	290	299	273	262	272	278	279	293
55	303	320	305	263	228	209	209	217	224	241	262	263	270	243	232	243	248	249	266
60	276	294	280	235	197	175	176	182	190	209	232	231	241	212	199	211	215	218	237
65	245	265	253	203	164	139	140	146	157	176	201	199	208	179	166	178	182	184	205
70	213	234	221	170	129	103	104	112	123	142	168	167	175	145	132	144	147	150	173
75	179	201	189	137	95.1	69.0	71.3	81.7	92.9	111	134	134	141	112	100	108	112	113	139
80	145	167	156	105	65.1	41.3	48.1	63.1	75.2	87.6	105	105	111	87.6	75.1	75.8	76.7	77.5	105
85	114	134	124	77.5	45.7	30.0	43.7	60.9	73.8	81.5	85.6	85.5	88.7	79.8	66.5	50.4	45.2	43.8	70.8
90	93.8	106	96.8	64.8	44.2	29.7	42.3	59.6	72.6	80.8	83.6	83.1	84.8	78.4	64.9	41.1	23.5	16.6	41.0
95	91.4	91.8	84.8	65.4	44.7	29.5	40.3	57.7	70.9	79.2	82.4	82.0	83.7	76.7	62.9	39.4	19.3	5.34	21.7
100	90.0	91.2	84.6	65.4	44.6	29.5	38.2	54.5	68.6	77.1	80.7	80.5	82.1	74.3	60.2	37.3	17.7	5.46	20.2
105	88.0	89.4	84.2	64.8	44.0	29.2	34.1	49.3	63.5	74.0	77.5	78.1	79.7	71.3	57.1	35.0	14.5	5.74	20.6
110	85.3	87.2	82.4	63.4	42.7	28.6	29.6	43.7	52.7	65.7	69.2	70.9	76.8	67.9	53.7	29.7	11.5	5.92	20.5
115	81.6	84.2	79.9	61.1	40.6	27.6	26.8	39.0	46.4	51.1	57.0	59.0	73.2	63.8	49.7	18.4	9.67	6.17	20.0
120	77.0	79.9	76.4	58.4	38.1	26.5	24.8	33.0	43.3	43.1	48.1	49.8	67.4	59.1	44.2	19.1	8.48	6.60	19.1
125	71.3	74.6	72.1	54.9	35.4	25.0	22.9	26.6	37.5	42.2	44.1	45.9	56.3	50.0	28.3	16.0	8.05	6.67	18.3
130	63.5	68.2	67.1	50.6	32.6	23.4	21.0	22.5	28.5	40.3	40.1	42.4	42.3	34.0	21.1	10.9	6.97	6.98	17.4
135	54.6	60.7	61.0	46.1	29.7	21.8	19.2	19.1	22.9	30.9	32.2	35.6	34.3	26.6	23.6	11.4	6.81	7.26	16.7
140	44.1	52.1	54.2	41.2	26.8	20.0	17.6	16.1	20.5	22.7	22.0	24.2	38.4	31.1	19.2	10.6	6.83	7.46	15.8
145	34.0	43.4	47.4	36.1	23.9	18.1	16.3	14.2	15.2	18.4	16.8	18.0	36.3	26.0	9.68	7.60	7.24	7.40	14.9
150	26.8	35.2	40.3	30.8	20.7	16.1	14.7	12.5	10.3	13.3	14.5	15.2	26.9	12.5	11.2	6.68	6.91	7.37	13.6
155	25.0	28.4	33.8	25.7	17.4	14.2	13.1	10.5	9.35	8.03	10.3	11.3	14.8	12.1	8.22	6.64	7.17	7.51	11.9
160	19.3	21.8	27.8	20.3	14.5	12.4	11.1	9.42	8.21	7.54	7.88	7.78	18.4	10.8	6.86	7.00	6.99	7.56	10.6
165	12.0	14.9	21.0	15.4	12.1	10.7	9.61	8.83	7.85	7.65	7.76	7.86	10.2	7.46	7.20	6.80	7.09	7.56	9.31
170	9.55	11.6	14.6	12.8	10.6	9.99	9.25	8.44	8.11	7.30	7.69	7.77	8.75	7.76	7.11	7.06	7.80	8.16	8.75
175	8.51	9.57	10.1	10.7	10.5	10.0	9.52	9.03	8.02	7.05	7.31	7.47	8.46	7.53	7.37	8.11	8.69	8.99	8.68
180	8.90	8.17	7.60	9.66	9.74	9.71	9.47	8.70	7.75	8.11	9.34	9.05	8.92	8.15	7.66	9.64	9.74	9.70	9.47

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-10

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:0.2002A P:23.63W PF:0.9835 Lamp Flux:1754.14x1 lm		
NAME: 2009XLEDMG-BRZ/ACR	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Access Lighting	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	422	422	422	422	421														
5	424	423	423	422	422														
10	422	423	423	421	423														
15	418	422	425	421	424														
20	411	418	421	418	420														
25	403	411	416	412	414														
30	391	402	407	402	404														
35	376	390	395	389	391														
40	358	375	380	371	374														
45	339	357	362	353	354														
50	316	335	340	330	334														
55	291	311	315	306	309														
60	264	285	290	278	281														
65	234	256	260	248	251														
70	203	224	228	215	219														
75	170	192	195	181	185														
80	135	158	160	147	150														
85	100	123	126	115	118														
90	68.8	90.7	95.4	92.2	95.0														
95	46.5	67.3	78.5	87.8	91.0														
100	42.4	62.0	77.5	86.5	89.9														
105	42.1	61.4	76.1	84.9	87.8														
110	41.6	60.3	74.0	82.4	85.2														
115	40.8	58.7	71.8	79.2	81.9														
120	39.3	56.6	68.6	75.4	77.9														
125	37.2	53.8	64.9	71.0	73.3														
130	34.9	50.0	60.6	65.9	68.0														
135	32.2	46.0	55.6	60.2	62.2														
140	29.3	41.8	49.4	54.0	55.7														
145	26.4	37.2	43.2	47.2	48.7														
150	23.4	32.4	37.1	38.9	41.2														
155	19.5	27.5	30.8	31.1	33.2														
160	15.2	22.6	24.3	24.0	25.1														
165	11.9	16.4	18.3	17.5	16.8														
170	9.97	12.0	13.5	12.7	11.1														
175	8.78	9.52	10.4	10.7	10.5														
180	8.72	7.81	8.05	9.31	9.02														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-10

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: