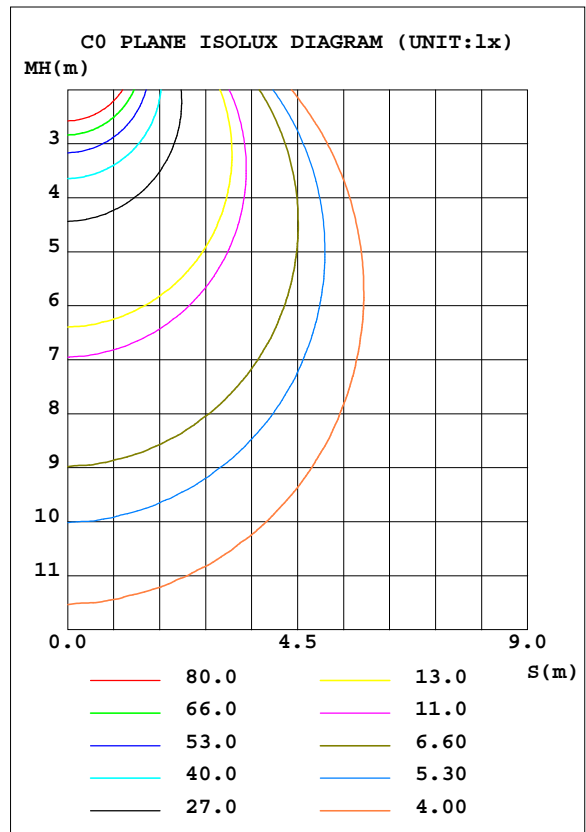
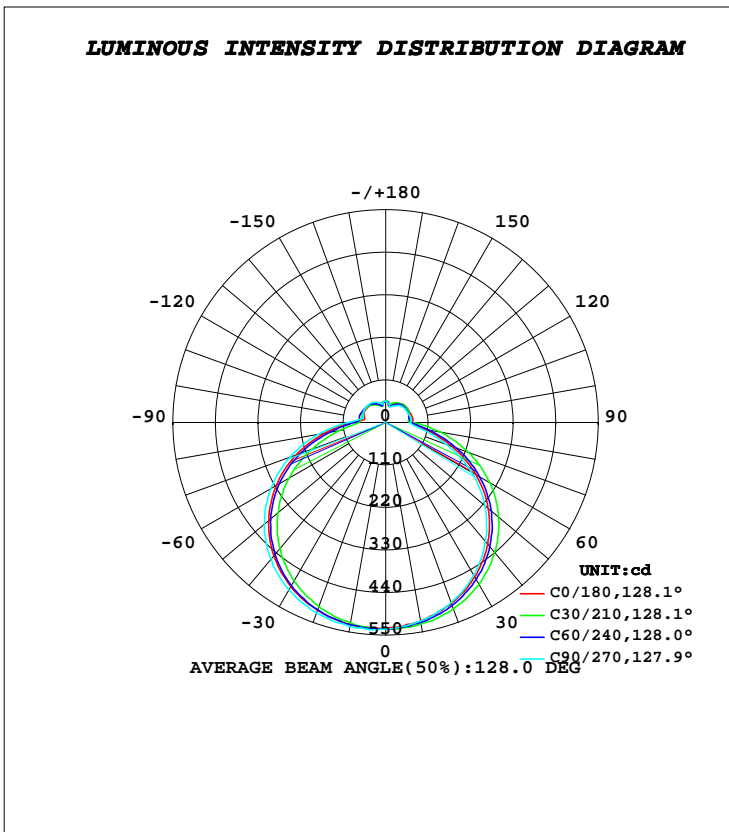


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.7V I:0.2346A P:25.09W PF:0.8936 Lamp Flux:2269.22x1 lm		
NAME: LED Flush Mount	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: ASL Global.	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	RFBHB	Imax(cd)	538.6	S/MH(C0/180)	1.29
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2269.2	η UP, DN(C0-180)	8.5,40.2
NOMINAL FLUX(lm)	2269.22	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	8.8,42.5
LAMPS INSIDE	1	η up(%)	17.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	119.7	η down(%)	82.7	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:曾本
Test Date:2023-6-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:7.350m [K=1.0000]
Remarks: LM79

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	521.2	526.8	521.0	531.9	529.5	529.2	535.7	527.7	0- 10	50.72	50.72	2.24,2.24
20	497.7	507.8	495.6	515.1	516.9	510.9	523.9	507.8	10- 20	147.1	197.8	8.72,8.72
30	461.2	475.9	455.8	485.6	490.8	480.6	499.9	474.8	20- 30	228.8	426.6	18.8,18.8
40	410.5	428.9	401.7	441.6	450.2	435.5	461.5	427.4	30- 40	286.3	712.9	31.4,31.4
50	346.1	368.6	334.9	383.7	394.6	376.2	410.0	365.7	40- 50	312.1	1025	45.2,45.2
60	269.5	295.6	255.6	312.3	327.4	303.5	343.1	291.8	50- 60	302.2	1327	58.5,58.5
70	183.3	211.8	167.8	229.5	246.7	219.2	263.7	206.5	60- 70	256.5	1584	69.8,69.8
80	103.8	127.6	91.60	143.2	159.9	134.4	175.8	125.1	70- 80	183.2	1767	77.9,77.9
90	69.24	67.58	64.96	80.19	86.01	75.14	97.22	76.28	80- 90	109.7	1877	82.7,82.7
100	71.24	61.59	66.50	61.17	55.45	66.05	62.53	66.57	90-100	74.42	1951	86,86
110	68.58	64.55	63.65	61.29	60.06	66.95	61.94	67.87	100-110	67.92	2019	89,89
120	67.34	65.39	62.09	60.90	62.31	65.23	64.87	67.55	110-120	64.22	2083	91.8,91.8
130	66.80	64.59	61.38	60.99	61.50	63.64	64.64	65.63	120-130	57.54	2141	94.3,94.3
140	62.92	61.77	57.01	59.77	59.43	60.52	63.51	63.00	130-140	48.54	2189	96.5,96.5
150	56.65	56.93	50.84	55.55	54.87	54.52	60.65	57.66	140-150	36.96	2226	98.1,98.1
160	49.48	49.95	44.23	50.58	48.71	47.89	55.02	49.83	150-160	24.54	2251	99.2,99.2
170	43.85	48.94	49.97	51.79	52.66	48.21	47.61	47.49	160-170	13.41	2264	99.8,99.8
180	54.04	55.53	54.67	55.95	54.30	55.49	54.94	56.14	170-180	5.032	2269	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

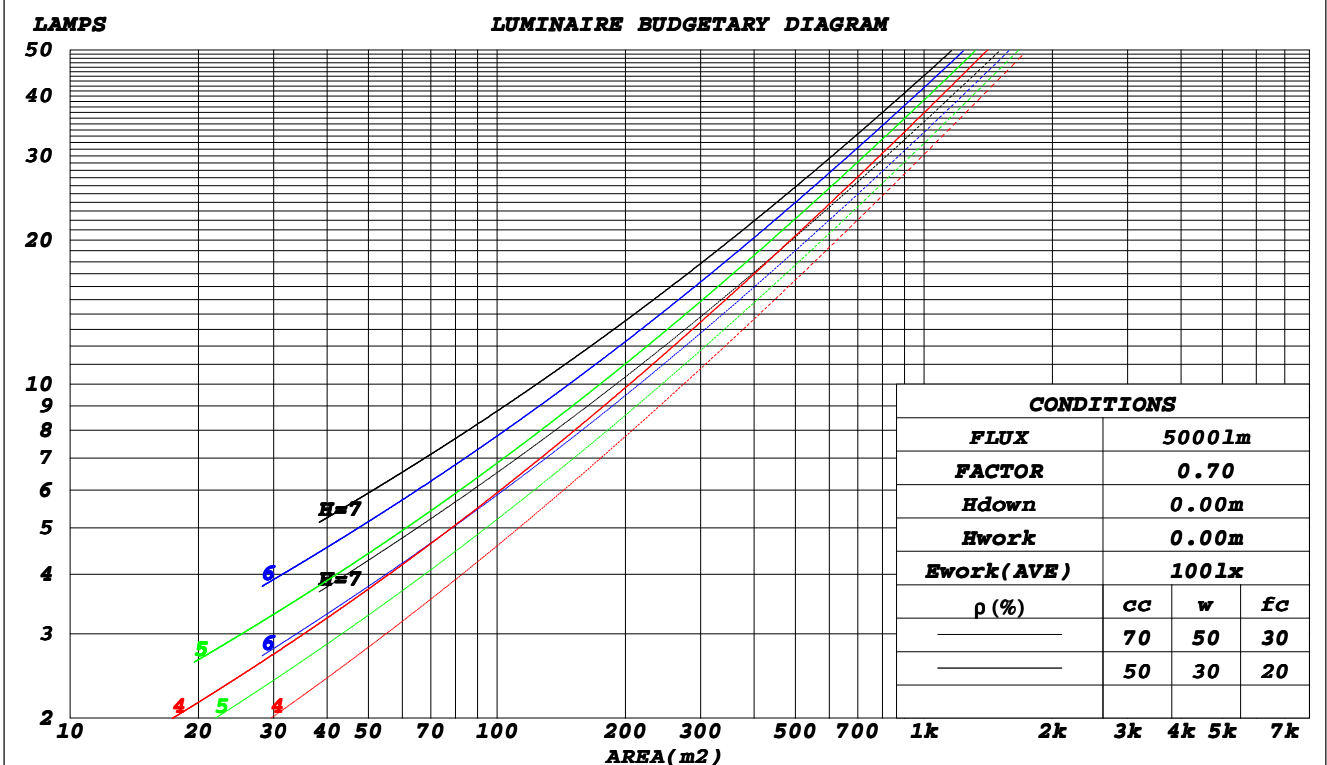
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:曾本
Test Date:2023-6-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:7.350m [K=1.0000]
Remarks: LM79

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.7V I:0.2346A P:25.09W PF:0.8936 Lamp Flux:2269.22x1 lm		
NAME: 14寸格纹	TYPE:格纹	WEIGHT:
DIM.:	SPEC.:14寸	SERIAL No.:
MFR.: WORBEST	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.86	.86	.86	.83
1.0	.98	.93	.88	.94	.89	.85	.86	.83	.79	.79	.76	.74	.73	.71	.69	.65
2.0	.84	.77	.70	.81	.74	.68	.74	.69	.64	.68	.64	.60	.63	.59	.56	.53
3.0	.73	.64	.58	.70	.62	.56	.65	.58	.53	.60	.54	.50	.55	.50	.47	.44
4.0	.64	.55	.48	.62	.53	.47	.57	.50	.44	.53	.47	.42	.49	.44	.40	.37
5.0	.57	.48	.41	.55	.46	.40	.51	.44	.38	.47	.41	.36	.43	.38	.34	.31
6.0	.51	.42	.35	.49	.41	.35	.46	.38	.33	.42	.36	.31	.39	.34	.30	.27
7.0	.46	.37	.31	.44	.36	.30	.41	.34	.29	.38	.32	.27	.36	.30	.26	.24
8.0	.42	.33	.27	.40	.32	.27	.38	.31	.26	.35	.29	.24	.33	.27	.23	.21
9.0	.38	.30	.24	.37	.29	.24	.35	.28	.23	.32	.26	.22	.30	.25	.21	.19
10.0	.35	.27	.22	.34	.27	.22	.32	.25	.21	.30	.24	.20	.28	.23	.19	.17



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 曾本
 Test Date: 2023-6-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 7.350m [K=1.0000]
 Remarks: LM79

WEC AND CCEC

Test:U:119.7V I:0.2346A P:25.09W PF:0.8936 Lamp Flux:2269.22x1 lm		
NAME: 14寸格纹	TYPE:格纹	WEIGHT:
DIM.:	SPEC.:14寸	SERIAL No.:
MFR.: WORBEST	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.351	.199	.063	.338	.193	.061	.315	.181	.058	.294	.169	.054	.274	.159	.051	
2.0	.314	.172	.053	.302	.167	.051	.281	.157	.049	.262	.147	.046	.244	.138	.044	
3.0	.283	.151	.045	.273	.146	.044	.254	.138	.042	.237	.130	.040	.220	.122	.038	
4.0	.258	.134	.039	.249	.130	.038	.231	.123	.037	.215	.116	.035	.200	.109	.033	
5.0	.236	.120	.035	.228	.117	.034	.212	.110	.032	.197	.104	.031	.184	.098	.030	
6.0	.217	.109	.031	.210	.106	.030	.195	.100	.029	.182	.095	.028	.170	.089	.027	
7.0	.201	.099	.028	.194	.097	.028	.181	.092	.026	.169	.087	.025	.157	.082	.024	
8.0	.187	.091	.026	.181	.089	.025	.169	.084	.024	.157	.080	.023	.147	.075	.022	
9.0	.175	.084	.024	.169	.082	.023	.158	.078	.022	.147	.074	.021	.138	.070	.020	
10.0	.164	.078	.022	.158	.076	.021	.148	.073	.020	.139	.069	.020	.129	.065	.019	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.322	.322	.322	.275	.275	.275	.188	.188	.188	.108	.108	.108	.035	.035	.035	
1.0	.316	.289	.264	.270	.248	.227	.185	.170	.157	.106	.099	.091	.034	.032	.030	
2.0	.309	.266	.229	.265	.229	.198	.181	.158	.138	.105	.092	.081	.034	.030	.026	
3.0	.302	.249	.207	.259	.215	.179	.177	.149	.126	.103	.087	.074	.033	.028	.024	
4.0	.294	.236	.192	.252	.204	.167	.174	.142	.118	.100	.083	.070	.032	.027	.023	
5.0	.287	.226	.182	.246	.196	.158	.170	.137	.112	.098	.080	.066	.032	.026	.022	
6.0	.279	.218	.175	.240	.189	.152	.166	.132	.108	.096	.078	.064	.031	.025	.021	
7.0	.273	.212	.169	.234	.184	.147	.162	.129	.104	.094	.076	.062	.030	.025	.021	
8.0	.266	.206	.165	.229	.179	.144	.158	.126	.102	.092	.074	.061	.030	.024	.020	
9.0	.260	.201	.162	.224	.175	.141	.155	.123	.100	.090	.073	.060	.029	.024	.020	
10.0	.254	.197	.159	.219	.171	.139	.152	.121	.099	.089	.071	.059	.029	.023	.020	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:曾本
 Test Date:2023-6-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:7.350m [K=1.0000]
 Remarks: LM79

Uncorrected UGR Table

Test:U:119.7V I:0.2346A P:25.09W PF:0.8936 Lamp Flux:2269.22x1 lm										
NAME: 14寸格纹					TYPE:格纹			WEIGHT:		
DIM.:					SPEC.:14寸			SERIAL No.:		
MFR.: WORBEST					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	19.3	18.4	19.8	20.3	17.5	18.8	18.0	19.3	19.9
3H	19.7	20.9	20.2	21.5	22.0	19.1	20.4	19.7	20.9	21.5
4H	20.5	21.7	21.0	22.2	22.8	19.8	21.0	20.4	21.5	22.2
6H	21.2	22.3	21.8	22.9	23.5	20.5	21.6	21.0	22.1	22.8
8H	21.5	22.6	22.1	23.2	23.8	20.8	21.8	21.3	22.4	23.0
12H	21.9	22.9	22.5	23.5	24.2	21.1	22.1	21.7	22.7	23.4
4H 2H	18.6	19.8	19.2	20.4	21.0	18.3	19.5	18.8	20.0	20.6
3H	20.7	21.7	21.3	22.3	23.0	20.1	21.1	20.7	21.7	22.4
4H	21.7	22.6	22.3	23.2	23.9	21.0	21.9	21.6	22.5	23.2
6H	22.6	23.4	23.2	24.0	24.8	21.8	22.6	22.4	23.2	23.9
8H	23.0	23.8	23.6	24.4	25.2	22.1	22.9	22.8	23.6	24.3
12H	23.4	24.2	24.1	24.8	25.6	22.6	23.3	23.2	24.0	24.7
8H 4H	22.1	22.8	22.7	23.5	24.2	21.5	22.2	22.1	22.9	23.6
6H	23.3	23.9	24.0	24.6	25.4	22.5	23.1	23.2	23.8	24.6
8H	23.9	24.5	24.6	25.2	26.0	23.0	23.6	23.7	24.3	25.1
12H	24.6	25.1	25.3	25.8	26.6	23.6	24.1	24.4	24.9	25.7
12H 4H	22.1	22.8	22.8	23.5	24.2	21.6	22.3	22.2	22.9	23.7
6H	23.4	24.0	24.1	24.7	25.5	22.7	23.3	23.4	24.0	24.8
8H	24.1	24.6	24.9	25.4	26.2	23.3	23.8	24.0	24.5	25.4
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	+ 0.3 / - 0.5					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 2269 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.8)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:曾本
 Test Date:2023-6-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:7.350m [K=1.0000]
 Remarks: LM79

UTILIZATION FACTORS TABLE

Test:U:119.7V I:0.2346A P:25.09W PF:0.8936 Lamp Flux:2269.22x1 lm		
NAME: 14寸格纹	TYPE:格纹	WEIGHT:
DIM.:	SPEC.:14寸	SERIAL No.:
MFR.: WORBEST	SUR.:	PROTECTION ANGLE:

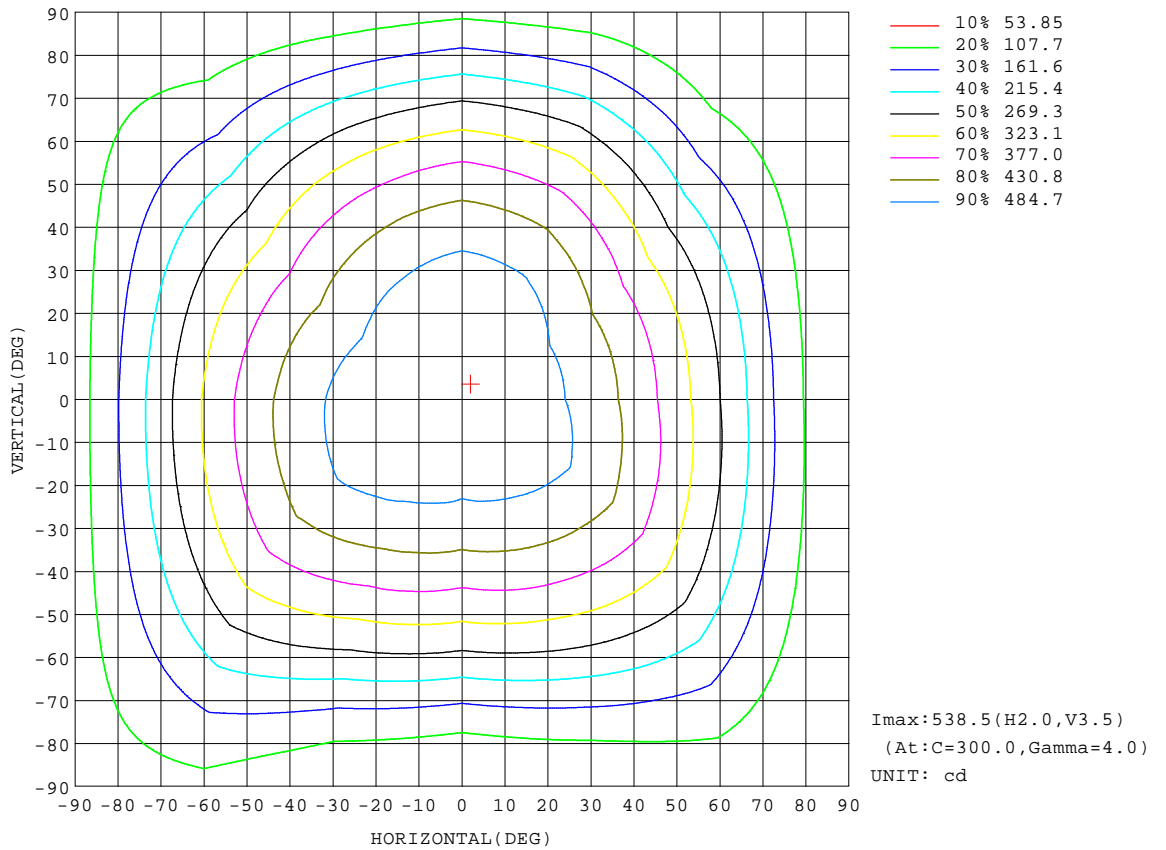
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	37	30	48	37	30	46	36	29	23
0.80	59	46	39	57	46	38	54	44	37	29
1.00	67	55	47	65	53	46	61	54	45	36
1.25	74	62	54	72	61	53	67	58	51	42
1.50	79	68	60	76	66	59	71	63	56	46
2.00	86	76	69	83	74	67	77	70	64	52
2.50	91	81	74	87	79	72	81	74	69	56
3.00	94	86	79	91	83	77	84	78	73	60
4.00	99	92	86	95	89	83	88	83	78	64
5.00	102	96	90	98	92	88	90	86	82	67
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:曾本
Test Date:2023-6-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:7.350m [K=1.0000]
Remarks: LM79

ISOCANDELA DIAGRAM

Test:U:119.7V I:0.2346A P:25.09W PF:0.8936 Lamp Flux:2269.22x1 lm		
NAME: 14寸格纹	TYPE:格纹	WEIGHT:
DIM.:	SPEC.:14寸	SERIAL No.:
MFR.: WORBEST	SUR.:	PROTECTION ANGLE:

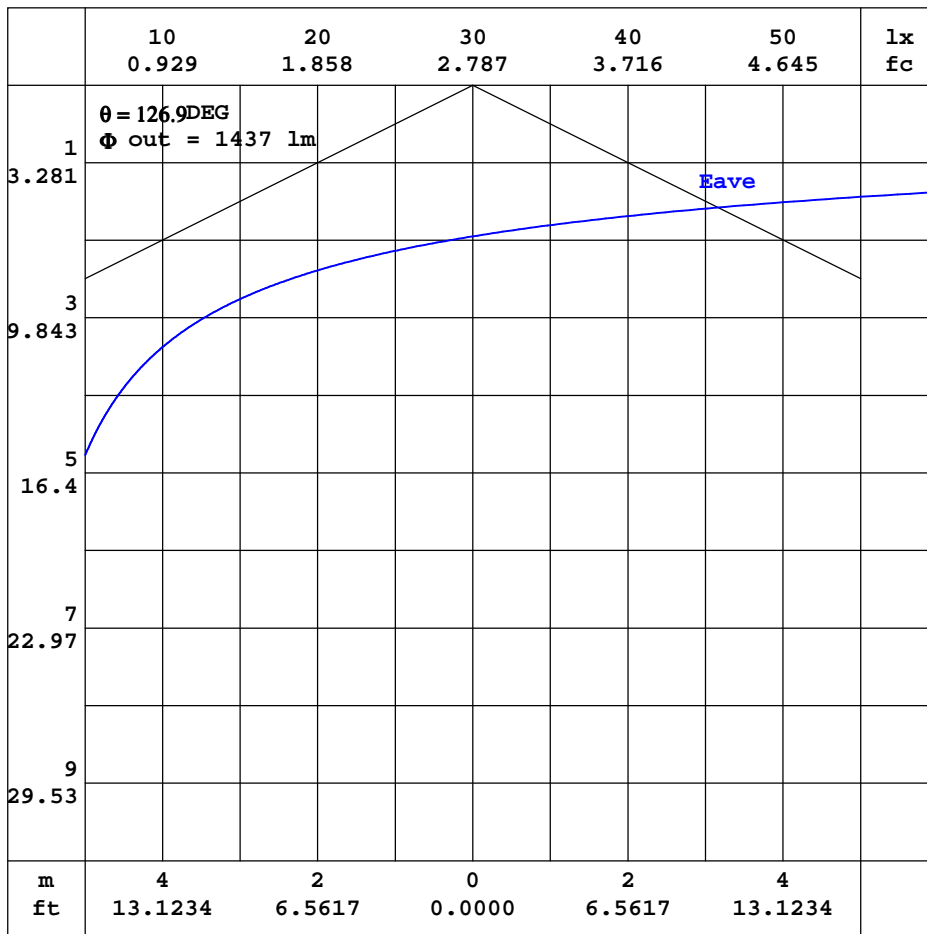


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 曾本
 Test Date: 2023-6-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 7.350m [K=1.0000]
 Remarks: LM79

AAI CURVES

Test:U:119.7V I:0.2346A P:25.09W PF:0.8936 Lamp Flux:2269.22x1 lm		
NAME: 14寸格纹	TYPE:格纹	WEIGHT:
DIM.:	SPEC.:14寸	SERIAL No.:
MFR.: WORBEST	SUR.:	PROTECTION ANGLE:



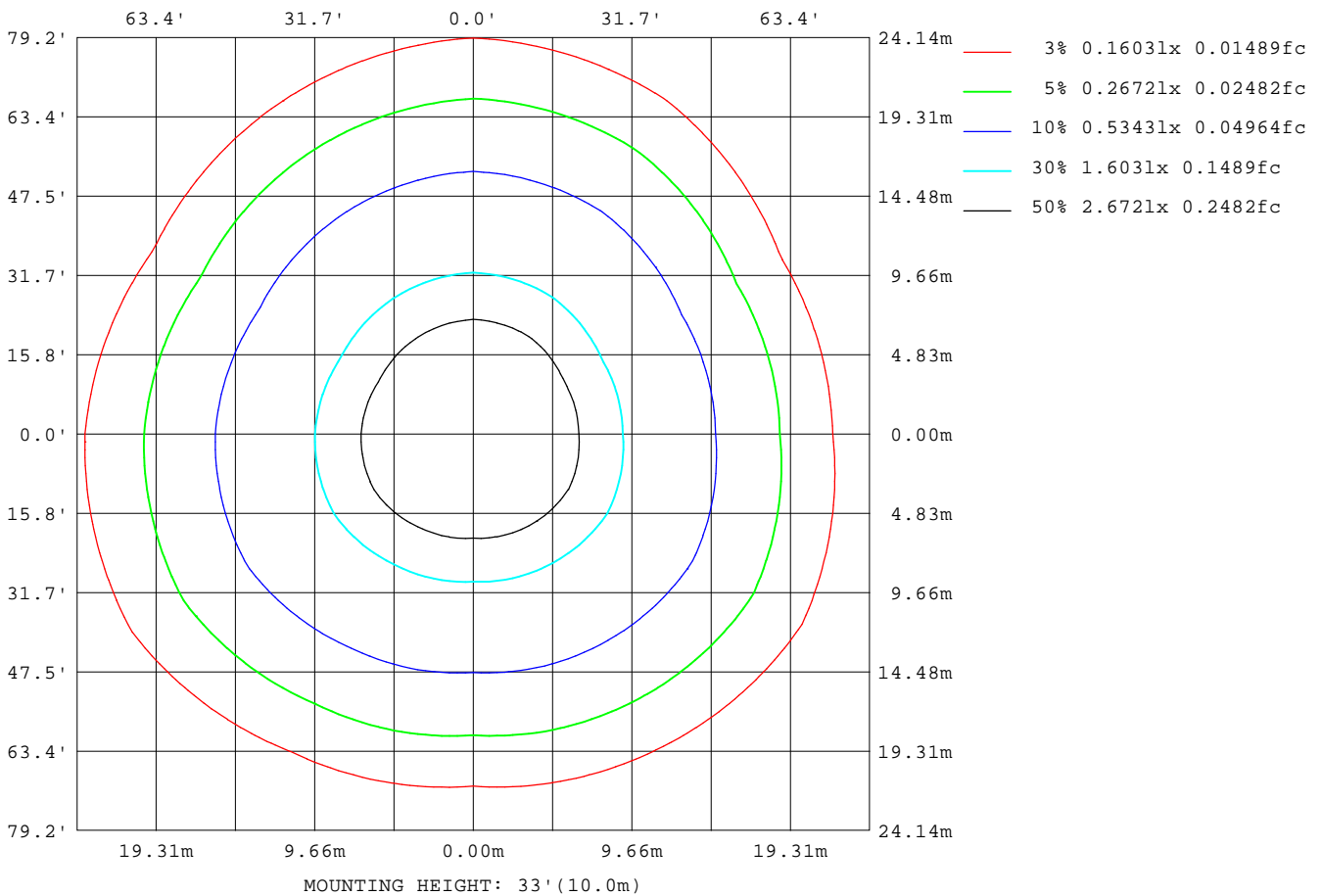
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:曾本
Test Date:2023-6-12

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:7.350m [K=1.0000]
Remarks: LM79

ISOLUX DIAGRAM

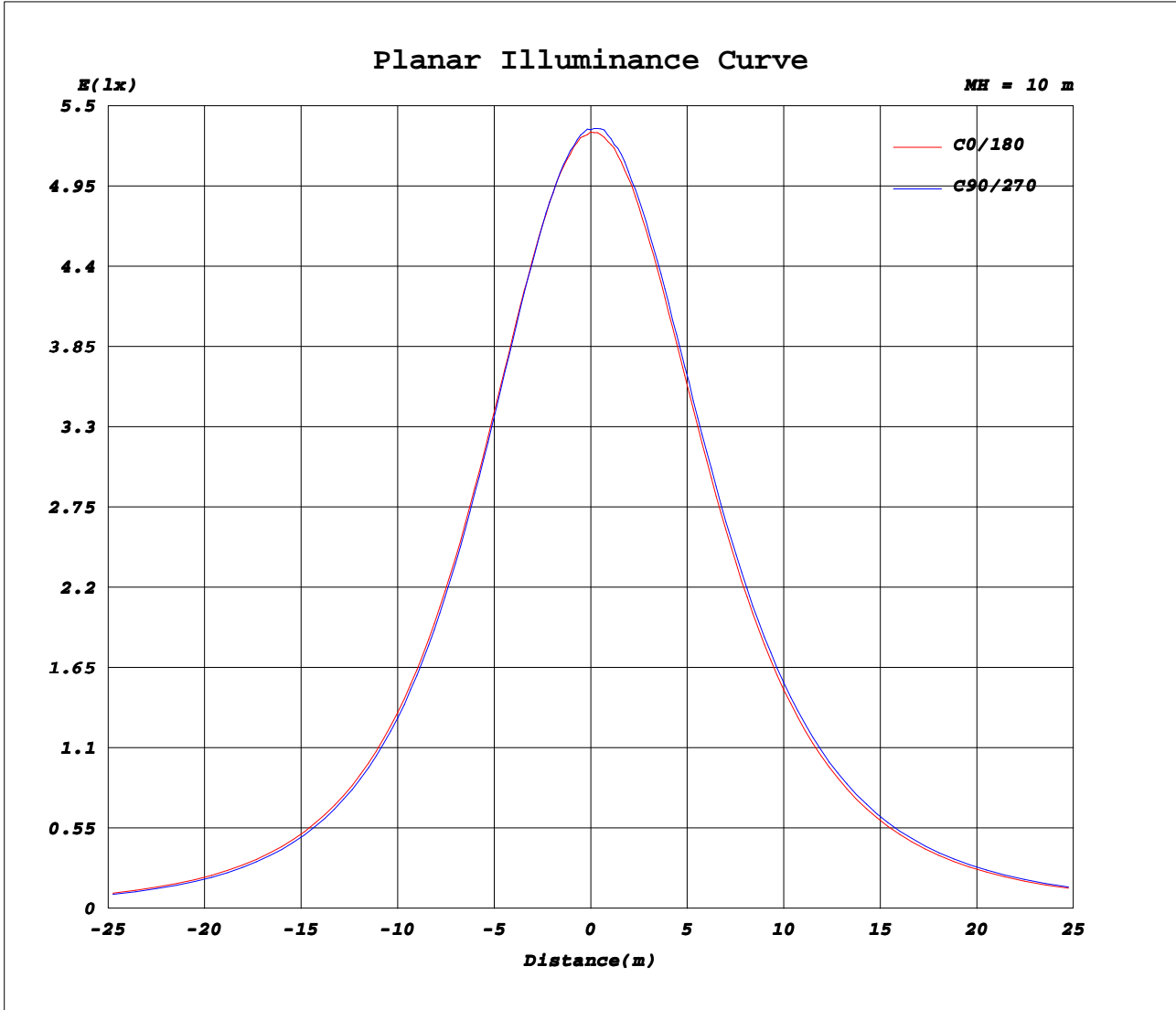
Test:U:119.7V I:0.2346A P:25.09W PF:0.8936 Lamp Flux:2269.22x1 lm		
NAME: 14寸格纹	TYPE:格纹	WEIGHT:
DIM.:	SPEC.:14寸	SERIAL No.:
MFR.: WORBEST	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 曾本
Test Date: 2023-6-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.350m [K=1.0000]
Remarks: LM79

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 曾本
Test Date: 2023-6-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.350m [K=1.0000]
Remarks: LM79

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.7V I:0.2346A P:25.09W PF:0.8936 Lamp Flux:2269.22x1 lm		
NAME: 14寸格纹	TYPE:格纹	WEIGHT:
DIM.:	SPEC.:14寸	SERIAL No.:
MFR.: WORBEST	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	532	534	534	534	538	535	532	534	534	534	538	535							
5	528	533	531	529	535	537	532	532	534	536	538	530							
10	521	529	525	521	529	535	529	527	531	536	534	522							
15	511	522	515	510	520	531	524	518	525	531	527	511							
20	498	513	503	496	507	523	517	507	515	524	518	497							
25	481	499	487	477	491	513	506	492	503	514	506	480							
30	461	483	469	456	472	499	491	473	488	500	490	459							
35	438	463	446	431	450	481	473	451	469	482	471	435							
40	410	438	419	402	424	460	450	426	445	462	448	407							
45	380	411	390	369	394	435	424	397	419	438	422	375							
50	346	381	357	335	360	407	395	364	389	410	392	340							
55	309	347	320	297	324	376	362	328	355	379	358	302							
60	270	311	280	256	284	341	327	288	319	343	323	261							
65	227	271	239	212	242	303	288	247	278	305	282	218							
70	183	228	195	168	198	261	247	203	235	264	239	174							
75	141	185	152	126	154	217	203	160	191	220	195	132							
80	104	142	113	91.6	114	172	160	121	148	176	153	97.1							
85	77.8	103	82.4	70.0	82.8	129	119	87.5	109	134	114	74.5							
90	69.2	67.8	67.4	65.0	66.3	94.1	86.0	69.9	80.4	97.2	83.3	69.2							
95	70.9	59.1	63.3	66.4	64.3	71.6	65.0	67.2	69.2	74.1	69.3	70.3							
100	71.2	61.1	62.0	66.5	57.6	64.7	55.5	62.3	69.8	62.5	62.4	70.8							
105	69.9	63.7	62.0	64.8	60.2	62.4	58.0	64.5	70.4	60.5	65.2	69.8							
110	68.6	65.7	63.4	63.6	61.3	61.3	60.1	65.0	68.9	61.9	67.0	68.7							
115	67.6	66.8	63.7	62.8	61.8	60.4	62.0	64.6	67.4	63.9	68.0	67.9							
120	67.3	67.3	63.5	62.1	61.3	60.5	62.3	64.1	66.4	64.9	67.9	67.2							
125	67.0	66.9	63.4	62.0	60.8	60.7	61.8	63.3	65.4	64.9	66.9	66.0							
130	66.8	66.0	63.2	61.4	61.0	60.9	61.5	62.7	64.6	64.6	65.9	65.3							
135	65.2	65.0	62.4	59.6	60.4	61.2	60.6	61.4	63.9	64.1	65.5	63.9							
140	62.9	63.0	60.5	57.0	58.8	60.8	59.4	59.1	61.9	63.5	64.5	61.5							
145	60.0	61.1	58.1	54.2	56.4	59.2	57.3	56.2	59.2	62.8	62.7	58.7							
150	56.7	59.4	54.4	50.8	54.3	56.8	54.9	53.0	56.1	60.7	60.2	55.1							
155	53.1	57.0	50.2	47.4	52.2	54.1	51.9	49.5	52.8	58.1	57.0	50.7							
160	49.5	53.3	46.6	44.2	49.8	51.4	48.7	46.3	49.5	55.0	52.7	47.0							
165	46.3	49.3	43.6	41.7	46.7	48.2	45.2	43.6	46.3	51.5	49.8	44.0							
170	43.8	47.3	50.6	50.0	52.8	50.7	52.7	51.2	45.3	47.6	47.7	47.3							
175	53.1	55.4	53.1	52.7	55.2	53.6	54.8	54.9	52.8	55.9	56.2	53.3							
180	54.0	56.6	54.5	54.7	56.6	55.3	54.3	56.5	54.5	54.9	57.2	55.1							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 曾本
Test Date: 2023-6-12

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 7.350m [K=1.0000]
Remarks: LM79