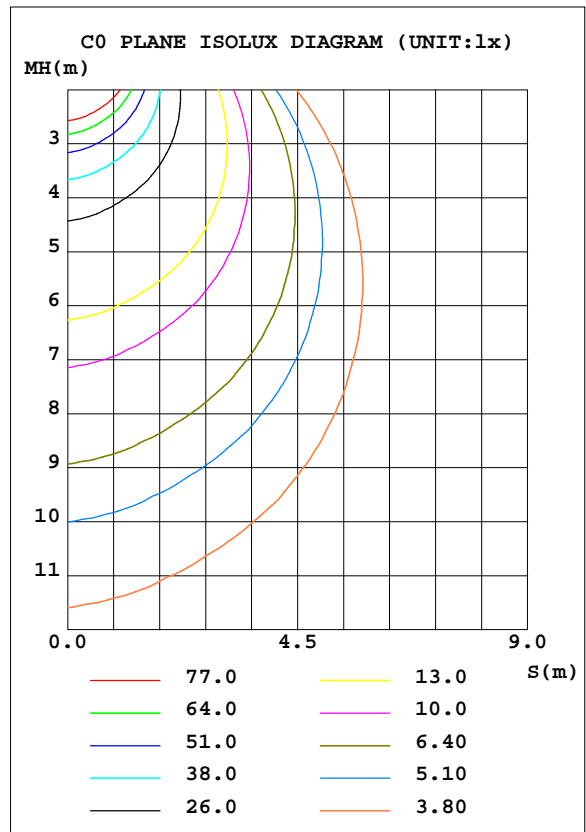
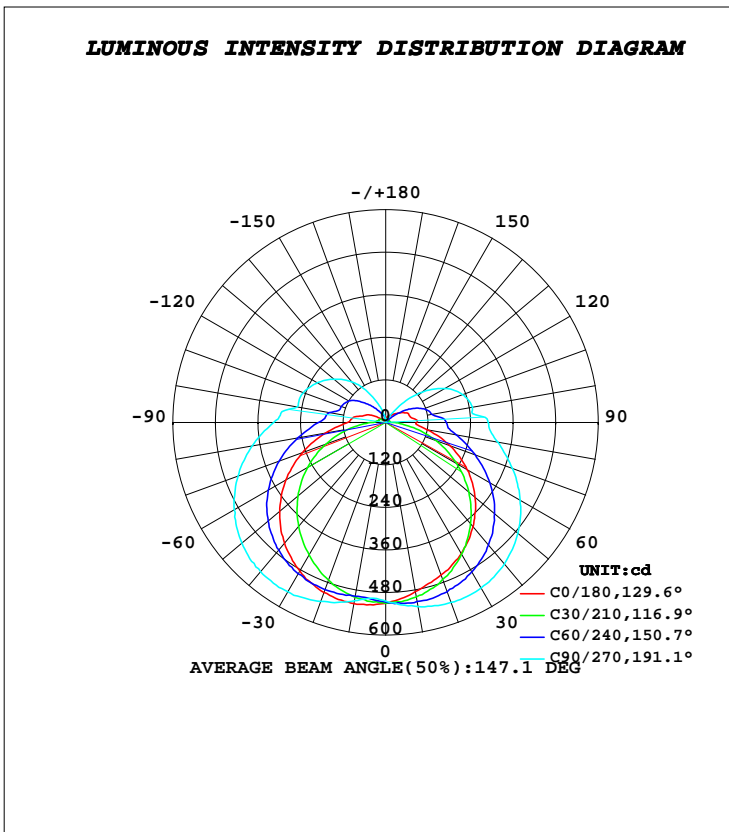


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.7V I:0.2781A P:29.65W PF:0.8909 Lamp Flux:3093.25x1 lm		
NAME: Vanity 36inch	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: ASL Global.	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 104.34 lm/W			
MODEL	VBDE36	I _{max} (cd)	572.5	S/MH(C0/180)	1.25
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.59
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3093.2	η UP, DN(C0-180)	10.7, 36.7
NOMINAL FLUX(lm)	3093.25	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	13.2, 39.5
LAMPS INSIDE	1	η up(%)	23.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	119.6	η down(%)	76.2	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:曾本
Test Date:20230607

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	483.9	506.6	526.9	529.7	518.8	499.0	511.1	514.5	0- 10	48.60	48.60	1.57,1.57	
20	457.6	489.6	539.8	549.7	510.5	487.5	536.8	536.4	10- 20	145.8	194.4	6.28,6.28	
30	427.3	457.6	539.1	553.2	484.2	463.0	551.3	544.5	20- 30	235.9	430.3	13.9,13.9	
40	384.2	411.9	521.0	539.4	444.1	426.0	549.5	537.6	30- 40	308.4	738.7	23.9,23.9	
50	329.7	353.8	487.0	509.5	390.8	378.2	529.8	513.6	40- 50	354.6	1093	35.3,35.3	
60	265.6	284.6	438.4	463.3	325.4	318.8	493.4	473.7	50- 60	368.7	1462	47.3,47.3	
70	193.8	210.4	380.3	403.6	249.9	250.2	443.4	419.7	60- 70	349.3	1811	58.6,58.6	
80	119.6	137.8	321.2	338.5	172.5	178.0	382.3	358.7	70- 80	301.7	2113	68.3,68.3	
90	87.89	97.19	289.2	284.4	107.4	114.3	316.5	303.9	80- 90	242.7	2356	76.2,76.2	
100	75.42	72.23	248.4	245.6	90.71	93.76	254.3	266.2	90-100	202.1	2558	82.7,82.7	
110	69.56	62.63	230.7	224.5	61.08	76.82	247.5	253.3	100-110	169.9	2728	88.2,88.2	
120	56.24	43.87	192.9	192.9	36.64	69.88	223.8	226.4	110-120	142.5	2870	92.8,92.8	
130	39.96	19.55	133.3	145.2	12.92	52.32	190.6	191.6	120-130	104.3	2975	96.2,96.2	
140	28.89	6.311	62.65	88.68	6.379	34.77	150.6	150.6	130-140	64.87	3039	98.3,98.3	
150	22.75	6.400	8.949	32.93	7.309	21.93	96.89	106.5	140-150	33.59	3073	99.3,99.3	
160	19.26	8.767	6.955	5.527	6.762	16.89	47.22	65.08	150-160	14.03	3087	99.8,99.8	
170	13.45	7.699	10.44	4.473	7.328	12.37	16.85	30.41	160-170	5.240	3092	100,100	
180	8.276	7.451	7.947	6.600	8.313	7.792	7.527	6.463	170-180	0.9908	3093	100,100	
DEG	LUMINOUS INTENSITY:cd									UNIT:lm			

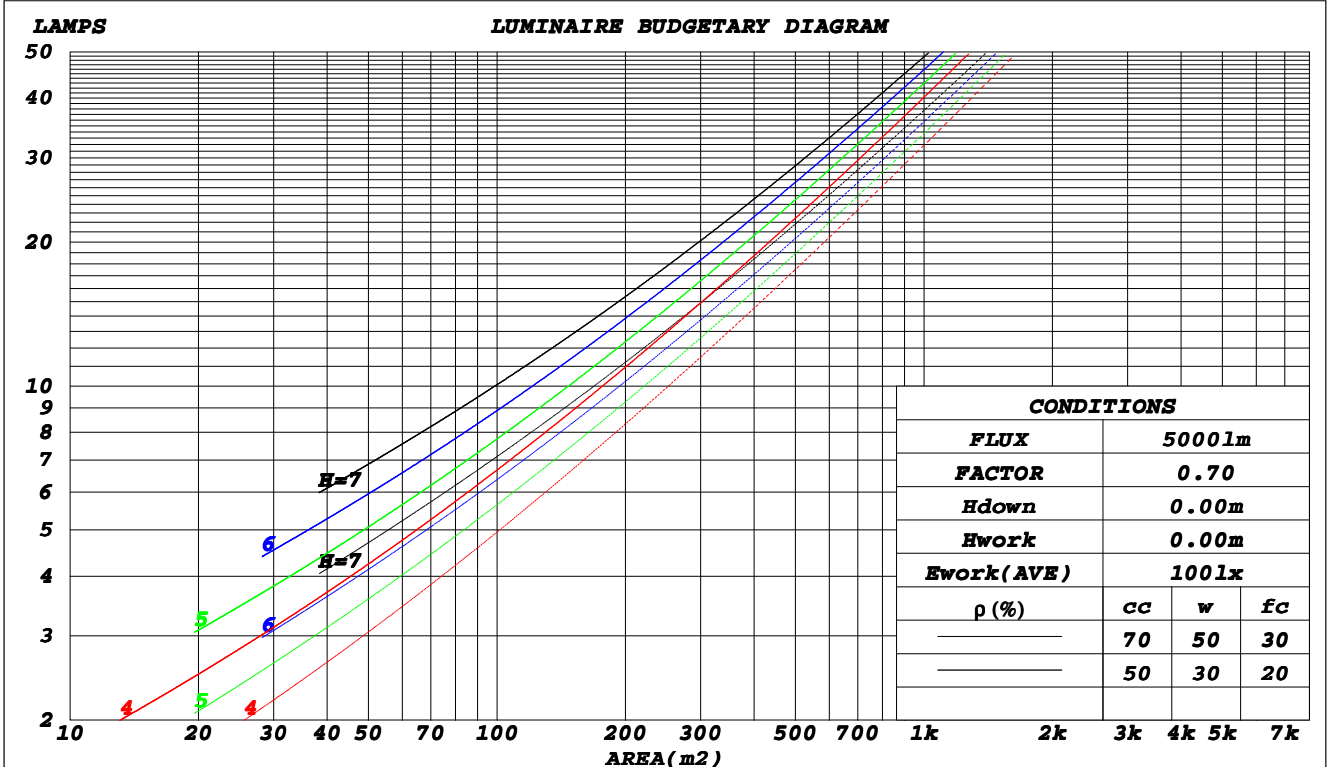
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:曾本
Test Date:20230607

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:0.2781A P:29.65W PF:0.8909 Lamp Flux:3093.25x1 lm		
NAME: Vanity 36inch	TYPE:	WEIGHT:
DIM.:	SPEC.:	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	1.13	1.13	1.13	1.08	1.08	1.08	.98	.98	.98	.89	.89	.89	.80	.80	.80	.76
1.0	.94	.88	.83	.89	.84	.80	.80	.76	.73	.72	.69	.66	.65	.63	.60	.56
2.0	.80	.72	.65	.76	.69	.62	.68	.62	.57	.61	.57	.53	.55	.51	.48	.44
3.0	.69	.60	.52	.65	.57	.50	.59	.52	.47	.53	.47	.43	.47	.43	.39	.36
4.0	.60	.51	.43	.57	.49	.42	.52	.44	.39	.47	.40	.36	.42	.37	.33	.30
5.0	.53	.44	.37	.51	.42	.35	.46	.38	.33	.41	.35	.30	.37	.32	.28	.25
6.0	.48	.38	.31	.45	.37	.30	.41	.34	.28	.37	.31	.26	.33	.28	.24	.21
7.0	.43	.34	.27	.41	.32	.26	.37	.30	.25	.34	.27	.23	.30	.25	.21	.19
8.0	.39	.30	.24	.37	.29	.23	.34	.27	.22	.31	.25	.20	.28	.22	.19	.16
9.0	.35	.27	.21	.34	.26	.21	.31	.24	.19	.28	.22	.18	.25	.20	.17	.14
10.0	.32	.24	.19	.31	.23	.18	.28	.22	.17	.26	.20	.16	.24	.19	.15	.13



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 曾本
 Test Date: 20230607

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:0.2781A P:29.65W PF:0.8909 Lamp Flux:3093.25x1 lm		
NAME: Vanity 36inch	TYPE:	WEIGHT:
DIM.:	SPEC.:	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	.394	.224	.071	.379	.216	.069	.352	.202	.064	.327	.189	.061	.304	.176	.057	
2.0	.339	.186	.057	.326	.179	.055	.301	.167	.052	.278	.156	.049	.257	.145	.046	
3.0	.300	.160	.048	.288	.154	.046	.266	.144	.044	.245	.134	.041	.226	.125	.039	
4.0	.269	.140	.041	.258	.135	.040	.238	.126	.038	.219	.118	.036	.202	.110	.033	
5.0	.244	.124	.036	.234	.120	.035	.216	.112	.033	.199	.105	.031	.182	.097	.029	
6.0	.223	.112	.032	.214	.108	.031	.197	.101	.029	.182	.094	.028	.167	.088	.026	
7.0	.206	.102	.029	.198	.098	.028	.182	.092	.027	.167	.086	.025	.154	.080	.023	
8.0	.191	.093	.026	.183	.090	.025	.169	.084	.024	.155	.079	.023	.143	.073	.021	
9.0	.178	.086	.024	.171	.083	.023	.157	.078	.022	.145	.073	.021	.133	.068	.020	
10.0	.166	.080	.022	.160	.077	.021	.147	.072	.020	.136	.067	.019	.125	.063	.018	

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	.372	.372	.372	.318	.318	.318	.217	.217	.217	.125	.125	.125	.040	.040	.040	
1.0	.369	.339	.311	.316	.291	.268	.216	.200	.185	.124	.116	.108	.040	.037	.035	
2.0	.363	.316	.277	.311	.272	.239	.213	.188	.167	.123	.110	.098	.039	.035	.032	
3.0	.356	.300	.255	.305	.259	.221	.209	.180	.155	.121	.105	.092	.039	.034	.030	
4.0	.348	.288	.242	.299	.249	.210	.205	.173	.148	.119	.101	.087	.038	.033	.029	
5.0	.340	.278	.232	.292	.241	.202	.201	.168	.142	.117	.099	.085	.038	.032	.028	
6.0	.333	.270	.225	.286	.234	.196	.197	.164	.139	.115	.096	.082	.037	.031	.027	
7.0	.326	.264	.220	.280	.229	.192	.194	.160	.136	.113	.094	.081	.036	.031	.027	
8.0	.319	.258	.216	.275	.224	.189	.190	.157	.134	.111	.093	.080	.036	.030	.026	
9.0	.313	.254	.213	.270	.220	.186	.187	.155	.132	.109	.091	.079	.035	.030	.026	
10.0	.307	.249	.211	.265	.217	.184	.184	.152	.131	.107	.090	.078	.035	.030	.026	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 曾本
 Test Date: 20230607

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:0.2781A P:29.65W PF:0.8909 Lamp Flux:3093.25x1 lm										
NAME: Vanity 36inch					TYPE:			WEIGHT:		
DIM.:					SPEC.:			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	15.7	17.0	16.3	17.6	18.3	18.3	19.7	18.9	20.3	20.9
3H	17.6	18.8	18.2	19.4	20.1	21.0	22.3	21.6	22.9	23.6
4H	18.5	19.6	19.1	20.2	21.0	22.5	23.7	23.1	24.3	25.1
6H	19.3	20.4	20.0	21.1	21.8	24.2	25.3	24.8	25.9	26.7
8H	19.8	20.8	20.4	21.5	22.3	25.1	26.2	25.8	26.8	27.6
12H	20.3	21.3	20.9	21.9	22.7	26.2	27.2	26.9	27.9	28.7
4H 2H	16.6	17.7	17.2	18.4	19.1	18.6	19.8	19.3	20.4	21.2
3H	18.4	19.4	19.1	20.1	20.9	21.5	22.5	22.2	23.2	24.0
4H	19.3	20.2	20.0	20.9	21.8	23.2	24.1	23.9	24.8	25.6
6H	20.2	21.1	21.0	21.8	22.7	25.1	25.9	25.8	26.6	27.5
8H	20.7	21.5	21.5	22.3	23.1	26.1	26.9	26.9	27.6	28.5
12H	21.3	22.1	22.1	22.8	23.7	27.4	28.1	28.1	28.9	29.8
8H 4H	19.9	20.7	20.7	21.5	22.3	23.3	24.1	24.0	24.8	25.7
6H	20.9	21.6	21.7	22.3	23.2	25.4	26.1	26.2	26.8	27.7
8H	21.4	22.0	22.2	22.8	23.7	26.7	27.3	27.4	28.0	29.0
12H	22.1	22.6	22.9	23.4	24.4	28.2	28.7	29.0	29.5	30.5
12H 4H	20.2	20.9	21.0	21.7	22.6	23.2	24.0	24.0	24.7	25.6
6H	21.3	21.9	22.1	22.6	23.6	25.4	26.0	26.2	26.8	27.7
8H	21.8	22.3	22.6	23.1	24.1	26.8	27.3	27.5	28.1	29.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.2					+ 0.3 / - 0.3				

CIE Pub.117 Corrected 3093 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.9)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:曾本
Test Date:20230607

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:0.2781A P:29.65W PF:0.8909 Lamp Flux:3093.25x1 lm		
NAME: Vanity 36inch	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: WORBEST	SUR.:	PROTECTION ANGLE:

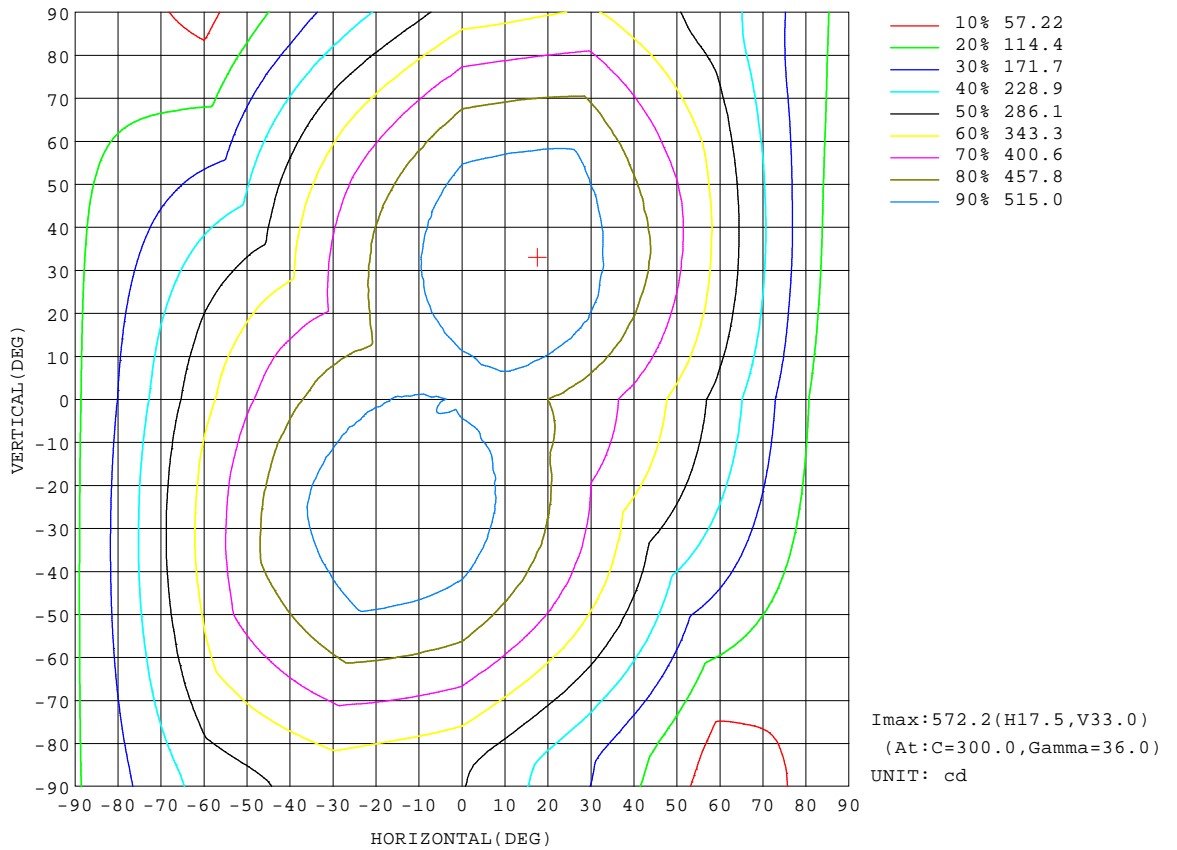
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	45	32	25	43	32	24	41	31	24	17
0.80	54	40	32	52	40	32	49	38	31	23
1.00	62	48	40	59	47	39	55	47	37	28
1.25	68	55	47	66	54	46	61	51	44	33
1.50	74	61	52	71	59	51	65	55	48	37
2.00	81	70	61	78	67	59	71	63	56	43
2.50	86	75	67	82	72	65	75	67	61	47
3.00	90	80	72	86	77	70	78	71	65	50
4.00	95	86	79	90	83	77	82	76	71	55
5.00	98	90	84	93	87	81	85	79	75	58
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: 20230607

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:0.2781A P:29.65W PF:0.8909 Lamp Flux:3093.25x1 lm		
NAME: Vanity 36inch	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: WORBEST	SUR.:	PROTECTION ANGLE:

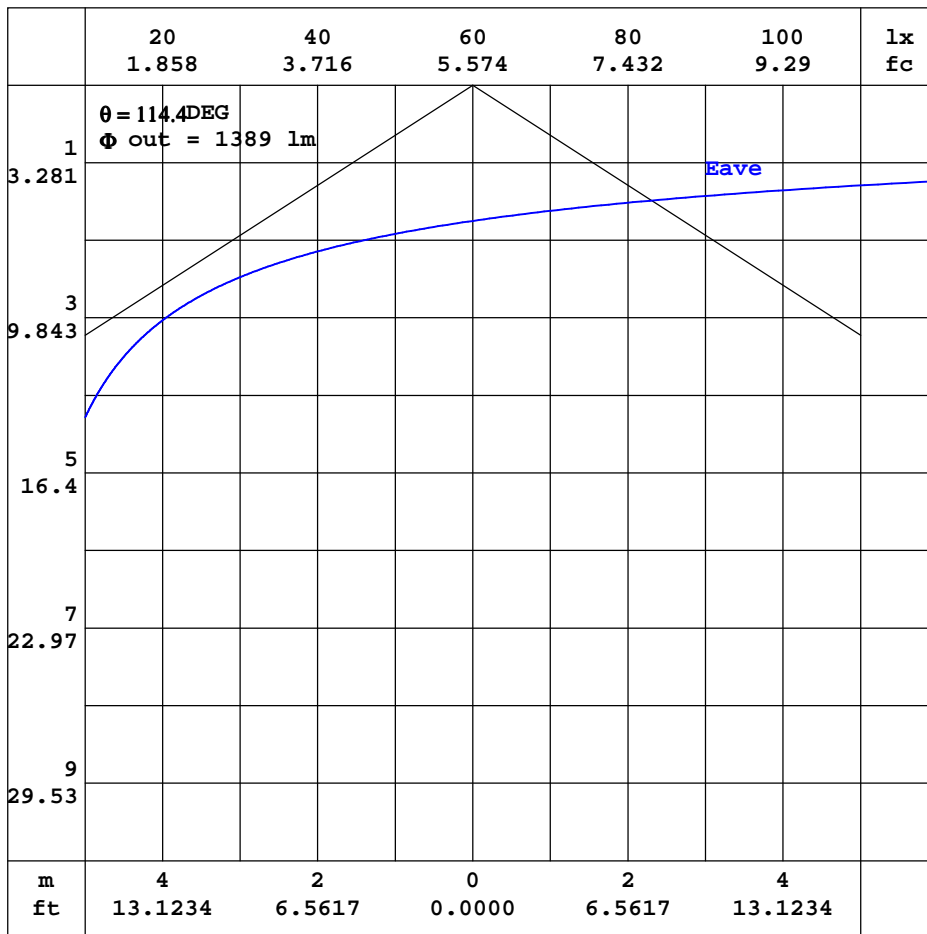


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 曾本
Test Date: 20230607

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:0.2781A P:29.65W PF:0.8909 Lamp Flux:3093.25x1 lm		
NAME: Vanity 36inch	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: WORBEST	SUR.:	PROTECTION ANGLE:



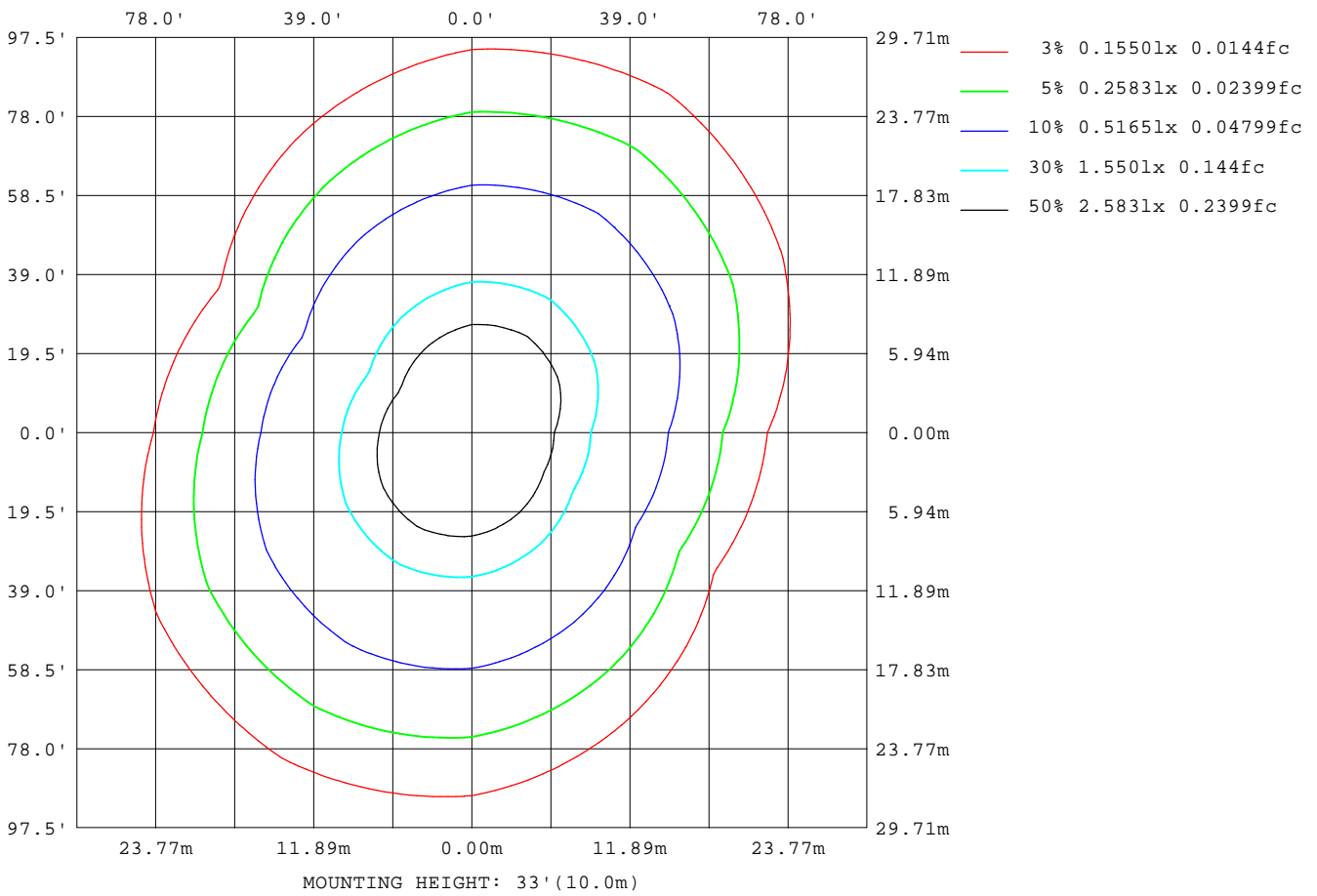
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 曾本
Test Date: 20230607

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

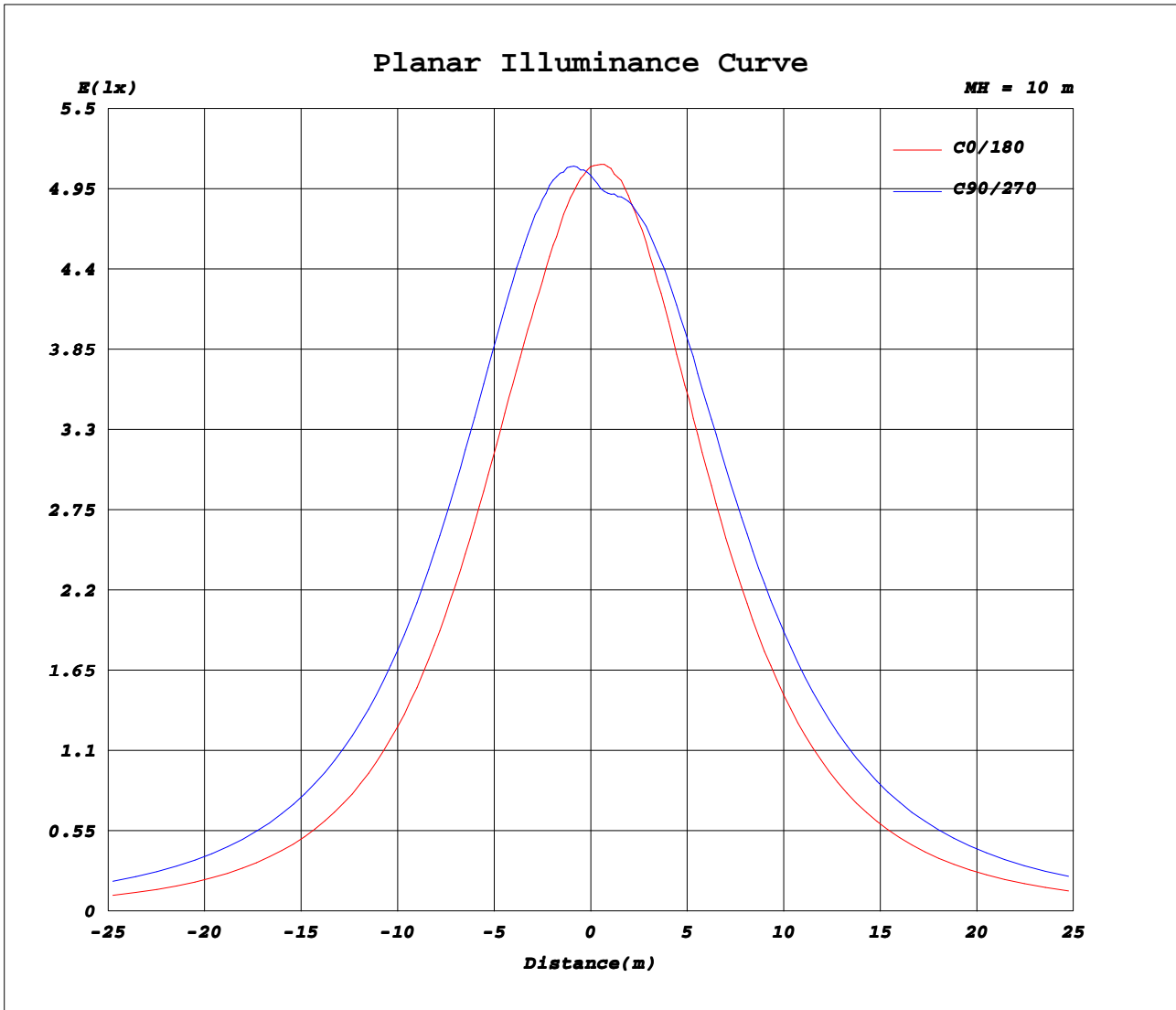
Test:U:119.7V I:0.2781A P:29.65W PF:0.8909 Lamp Flux:3093.25x1 lm		
NAME: Vanity 36inch	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: WORBEST	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 曾本
Test Date: 20230607

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: 20230607

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:0.2781A P:29.65W PF:0.8909 Lamp Flux:3093.25x1 lm		
NAME: Vanity 36inch	TYPE:	WEIGHT:
DIM.:	SPEC.:	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	510	510	506	504	507	499	510	510	506	504	507	499							
5	499	508	512	516	522	512	516	507	499	498	502	502							
10	484	500	513	527	537	522	519	500	498	511	518	511							
15	470	487	514	535	551	531	517	489	501	525	536	518							
20	458	471	508	540	562	538	510	473	502	537	550	523							
25	444	451	499	542	567	540	499	454	499	546	561	523							
30	427	429	487	539	568	539	484	432	494	551	568	521							
35	407	402	471	532	563	533	465	408	483	553	570	514							
40	384	373	451	521	555	523	444	383	469	549	570	505							
45	358	341	428	506	543	509	419	354	453	542	565	490							
50	330	306	401	487	527	492	391	324	433	530	555	472							
55	299	270	372	464	508	469	359	290	410	514	541	451							
60	266	231	339	438	484	443	325	255	383	493	523	425							
65	230	192	304	410	456	414	288	218	352	469	501	395							
70	194	152	269	380	425	382	250	180	320	443	475	364							
75	156	112	235	350	392	350	211	141	286	413	445	333							
80	120	72.8	203	321	360	317	173	104	252	382	415	302							
85	91.4	42.0	177	297	331	281	136	68.3	218	349	381	274							
90	87.9	23.5	171	289	318	251	107	38.6	190	317	350	258							
95	87.9	13.2	158	255	308	240	98.9	29.1	171	297	336	236							
100	75.4	11.5	133	248	285	206	90.7	26.0	161	254	315	217							
105	70.6	10.6	126	242	275	193	71.7	21.7	136	253	308	216							
110	69.6	11.5	114	231	260	188	61.1	20.3	133	247	297	209							
115	65.0	10.4	96.3	215	243	179	52.2	20.7	129	237	282	200							
120	56.2	11.7	76.0	193	222	164	36.6	18.5	121	224	265	188							
125	47.7	11.1	51.9	165	197	145	22.8	15.7	109	209	246	174							
130	40.0	10.3	28.8	133	170	121	12.9	13.4	91.2	191	225	158							
135	35.4	9.31	11.3	99.7	139	96.8	7.07	11.4	74.5	172	203	141							
140	28.9	8.69	3.94	62.7	103	74.0	6.38	9.75	59.8	151	179	122							
145	24.6	8.23	3.93	30.9	65.2	53.9	7.15	8.48	46.3	126	154	103							
150	22.7	7.95	4.85	8.95	30.8	35.1	7.31	7.75	36.1	96.9	128	85.0							
155	21.3	8.01	6.83	4.27	6.30	20.2	7.34	9.21	27.3	69.2	102	69.3							
160	19.3	7.95	9.58	6.96	1.57	9.48	6.76	9.51	24.3	47.2	77.5	52.7							
165	16.7	8.05	9.80	10.7	1.59	7.84	6.85	9.10	20.7	30.0	55.9	38.7							
170	13.4	7.79	7.61	10.4	1.16	7.79	7.33	8.58	16.2	16.9	37.2	23.6							
175	10.6	7.53	6.19	7.02	5.26	6.90	7.30	8.31	10.7	9.70	17.6	11.9							
180	8.28	7.78	7.12	7.95	6.20	7.00	8.31	7.78	7.80	7.53	5.91	7.02							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 曾本
Test Date: 20230607

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