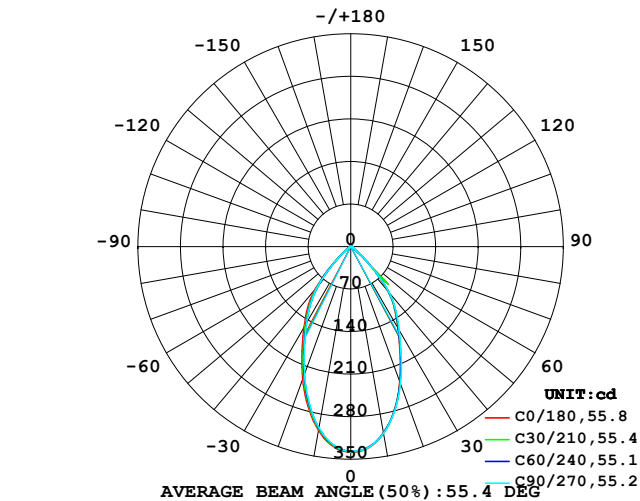


LUMINAIRE PHOTOMETRIC TEST REPORT

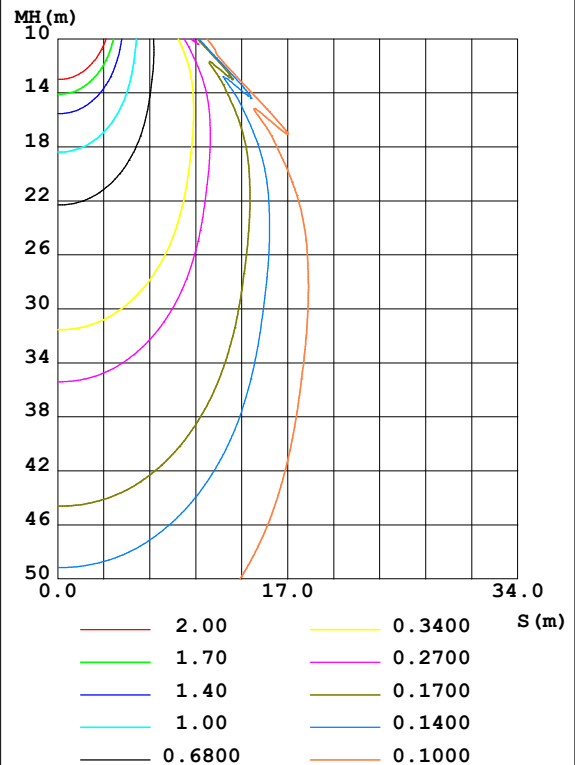
Test:U:24.00V I:0.215A P:5.16W PF:1.000 Freq:0Hz Lamp Flux:322.939x1 lm		
NAME: 32410-IP65-2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025062308
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 62.59 lm/W			
MODEL		I _{max} (cd)	338.2	S/MH(C0/180)	0.82
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	0.79
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	322.94	η UP,DN(C0-180)	0.0,52.3
NOMINAL FLUX(lm)	322.939	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	24	η down(%)	100.0	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2025-06-21

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	311.6	312.9	311.8	314.1	306.7	301.9	302.7	302.2	0- 10	30.78	30.78	9.53,9.53
20	236.7	239.8	239.6	243.1	231.4	223.9	223.0	221.9	10- 20	76.10	106.9	33.1,33.1
30	156.1	159.2	159.8	164.0	154.3	146.1	145.9	147.4	20- 30	87.25	194.1	60.1,60.1
40	95.46	99.54	98.45	103.0	90.44	82.35	82.60	82.61	30- 40	77.10	271.2	84,84
50	21.24	20.93	20.80	23.13	17.91	15.93	16.66	15.93	40- 50	39.48	310.7	96.2,96.2
60	3.404	3.474	3.569	3.692	3.117	3.114	2.918	2.869	50- 60	7.328	318.0	98.5,98.5
70	1.771	1.768	1.962	1.777	1.499	1.814	1.725	1.770	60- 70	2.350	320.4	99.2,99.2
80	1.020	0.9673	1.203	0.8799	0.6796	1.264	1.363	1.428	70- 80	1.452	321.9	99.7,99.7
90	0.2216	0.2266	0.2407	0.5882	0	0.0370	0.0174	0.0349	80- 90	0.9504	322.8	100,100
100	0.0438	0.0378	0.0219	0.2266	0	0.0174	0.0174	0.0261	90-100	0.1326	322.9	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0038	322.9	100,100
120	0	0	0	0	0	0	0	0	110-120	0	322.9	100,100
130	0	0	0	0	0	0	0	0	120-130	0	322.9	100,100
140	0	0	0	0	0	0	0	0	130-140	0	322.9	100,100
150	0	0	0	0	0	0	0	0	140-150	0	322.9	100,100
160	0	0	0	0	0	0	0	0	150-160	0	322.9	100,100
170	0	0	0	0	0	0	0	0	160-170	0	322.9	100,100
180	0	0	0	0	0	0	0	0	170-180	0	322.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 297.4 lm

%lum = 92.1%

%lamp = 92.1%

Conical surface Flux(120deg): 318.05 lm

%lum = 98.5%

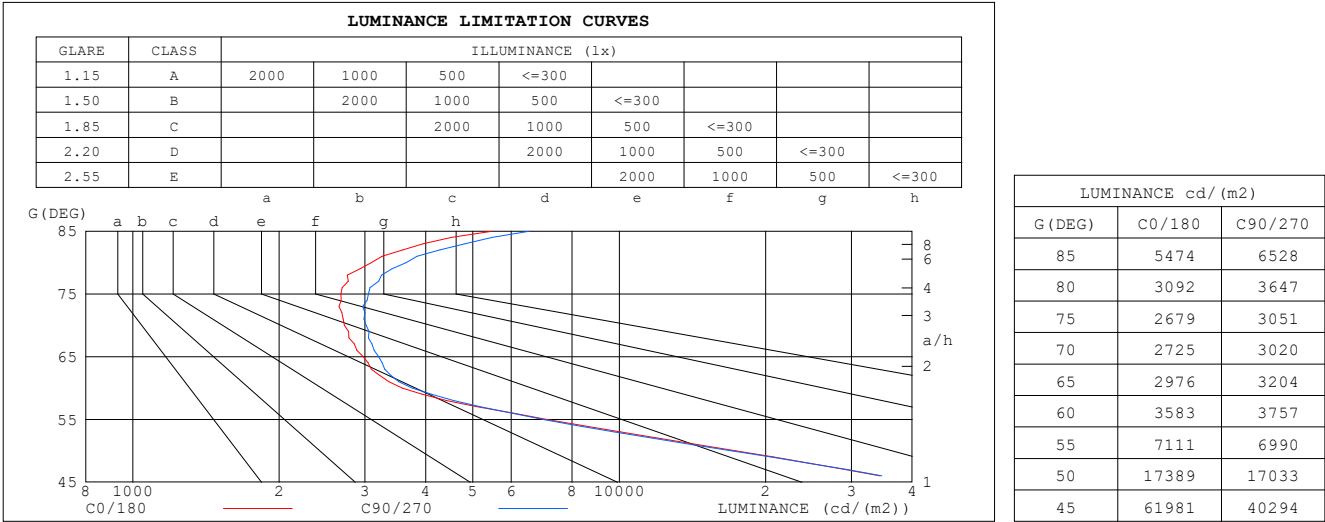
%lamp = 98.5%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:SENPU
 Test Date:2025-06-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:61%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.215A P:5.16W PF:1.000 Freq:0Hz Lamp Flux:322.939x1 lm		
NAME: 32410-IP65-2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025062308
MFR.:	SUR.:	Shielding Angle:



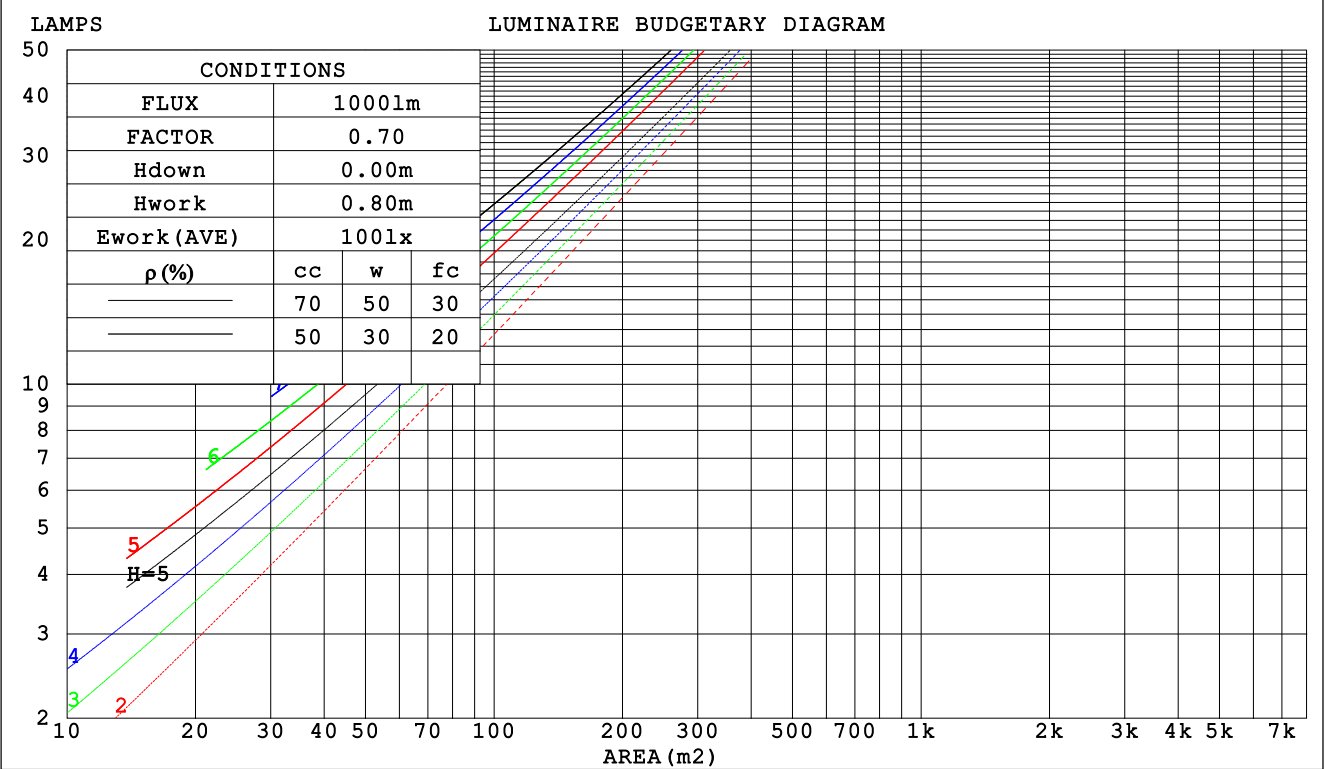
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2025-06-21

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.215A P:5.16W PF:1.000 Freq:0Hz		
Lamp Flux:322.939x1 lm		
NAME: 32410-IP65-2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025062308
MFR.:	SUR.:	Shielding 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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.01	.97	.93	.00	.96	.92	.96	.93	.90	.93	.91	.88	.91	.88	.86	.85
3.0	.94	.88	.84	.92	.87	.83	.90	.86	.82	.87	.84	.81	.85	.82	.80	.78
4.0	.87	.81	.76	.86	.80	.76	.84	.79	.75	.82	.77	.74	.80	.76	.73	.72
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.76	.72	.68	.75	.71	.68	.66
6.0	.75	.69	.64	.74	.68	.64	.73	.68	.64	.71	.67	.63	.70	.66	.63	.61
7.0	.70	.64	.59	.70	.63	.59	.68	.63	.59	.67	.62	.58	.66	.61	.58	.57
8.0	.66	.59	.55	.65	.59	.55	.64	.59	.55	.63	.58	.54	.62	.58	.54	.53
9.0	.62	.55	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.51	.49
10.0	.58	.52	.48	.58	.52	.48	.57	.51	.48	.56	.51	.47	.55	.51	.47	.46



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2025-06-21

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:24.00V I:0.215A P:5.16W PF:1.000 Freq:0Hz Lamp Flux:322.939x1 lm		
NAME: 32410-IP65-2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025062308
MFR.:	SUR.:	Shielding 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						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.194	.110	.035	.187	.107	.034	.174	.100	.032	.163	.094	.030	.152	.088	.028		
2.0	.186	.102	.031	.180	.099	.031	.169	.094	.029	.159	.089	.028	.150	.085	.027		
3.0	.177	.094	.028	.172	.092	.028	.163	.088	.027	.154	.085	.026	.147	.081	.025		
4.0	.169	.088	.026	.164	.086	.025	.156	.083	.025	.149	.080	.024	.142	.077	.024		
5.0	.161	.082	.024	.157	.081	.023	.150	.078	.023	.143	.076	.022	.137	.073	.022		
6.0	.153	.077	.022	.150	.076	.022	.144	.074	.021	.138	.072	.021	.132	.070	.021		
7.0	.146	.072	.020	.143	.071	.020	.137	.070	.020	.132	.068	.020	.127	.066	.019		
8.0	.139	.068	.019	.137	.067	.019	.132	.066	.019	.127	.064	.019	.123	.063	.018		
9.0	.133	.064	.018	.131	.064	.018	.126	.062	.018	.122	.061	.018	.118	.060	.017		
10.0	.127	.061	.017	.125	.061	.017	.121	.059	.017	.117	.058	.017	.114	.057	.016		

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						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.173	.157	.144	.148	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.158	.133	.111	.136	.114	.096	.093	.079	.067	.054	.046	.039	.017	.015	.013	
3.0	.147	.114	.088	.126	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.137	.100	.071	.118	.086	.061	.081	.060	.043	.047	.035	.026	.015	.011	.008	
5.0	.129	.088	.058	.111	.076	.050	.076	.053	.036	.044	.031	.021	.014	.010	.007	
6.0	.122	.079	.048	.105	.068	.042	.072	.048	.030	.042	.028	.018	.014	.009	.006	
7.0	.116	.072	.041	.100	.062	.036	.069	.044	.025	.040	.026	.015	.013	.008	.005	
8.0	.110	.066	.035	.095	.057	.030	.066	.040	.022	.038	.024	.013	.012	.008	.004	
9.0	.105	.060	.030	.091	.052	.026	.063	.037	.019	.037	.022	.011	.012	.007	.004	
10.0	.100	.056	.027	.087	.049	.023	.060	.034	.017	.035	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2025-06-21

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.215A P:5.16W PF:1.000 Freq:0Hz Lamp Flux:322.939x1 lm										
NAME: 32410-IP65-2000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 2025062308		
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	21.0	22.0	21.2	22.2	22.4	21.2	22.3	21.5	22.4	22.6
3H	20.9	21.8	21.1	22.0	22.2	21.1	22.0	21.4	22.2	22.5
4H	20.8	21.7	21.1	21.9	22.1	21.0	21.9	21.3	22.2	22.4
6H	20.7	21.6	21.0	21.8	22.1	21.0	21.8	21.3	22.1	22.3
8H	20.7	21.5	21.0	21.8	22.0	20.9	21.8	21.3	22.0	22.3
12H	20.7	21.5	21.0	21.7	22.0	20.9	21.7	21.3	22.0	22.3
4H 2H	20.8	21.7	21.0	21.9	22.1	21.0	21.9	21.3	22.1	22.3
3H	20.6	21.4	21.0	21.7	22.0	20.9	21.6	21.2	21.9	22.2
4H	20.6	21.3	20.9	21.6	21.9	20.8	21.5	21.2	21.8	22.1
6H	20.5	21.1	20.9	21.5	21.8	20.8	21.4	21.2	21.7	22.1
8H	20.5	21.1	20.9	21.4	21.8	20.8	21.3	21.2	21.7	22.1
12H	20.5	21.0	20.9	21.4	21.8	20.8	21.3	21.2	21.7	22.1
8H 4H	20.5	21.0	20.8	21.4	21.7	20.7	21.3	21.1	21.6	22.0
6H	20.4	20.9	20.8	21.3	21.7	20.7	21.1	21.1	21.5	22.0
8H	20.4	20.8	20.9	21.2	21.7	20.7	21.1	21.2	21.5	22.0
12H	20.4	20.8	20.9	21.2	21.7	20.8	21.1	21.2	21.6	22.0
12H 4H	20.4	20.9	20.8	21.3	21.7	20.6	21.2	21.1	21.5	21.9
6H	20.4	20.8	20.8	21.2	21.7	20.6	21.1	21.1	21.5	21.9
8H	20.4	20.7	20.9	21.2	21.7	20.7	21.0	21.1	21.5	21.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.4 / - 8.2					+ 2.4 / - 7.6				
1.5H	+ 3.4 / - 7.9					+ 3.7 / - 7.4				
2.0H	+ 8.5 / - 6.6					+ 6.3 / - 5.0				

CIE Pub.117, 322.9 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -3.9$)
Area: 0.0019 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2025-06-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.215A P:5.16W PF:1.000 Freq:0Hz Lamp Flux:322.939x1 lm		
NAME: 32410-IP65-2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025062308
MFR.:	SUR.:	Shielding Angle:

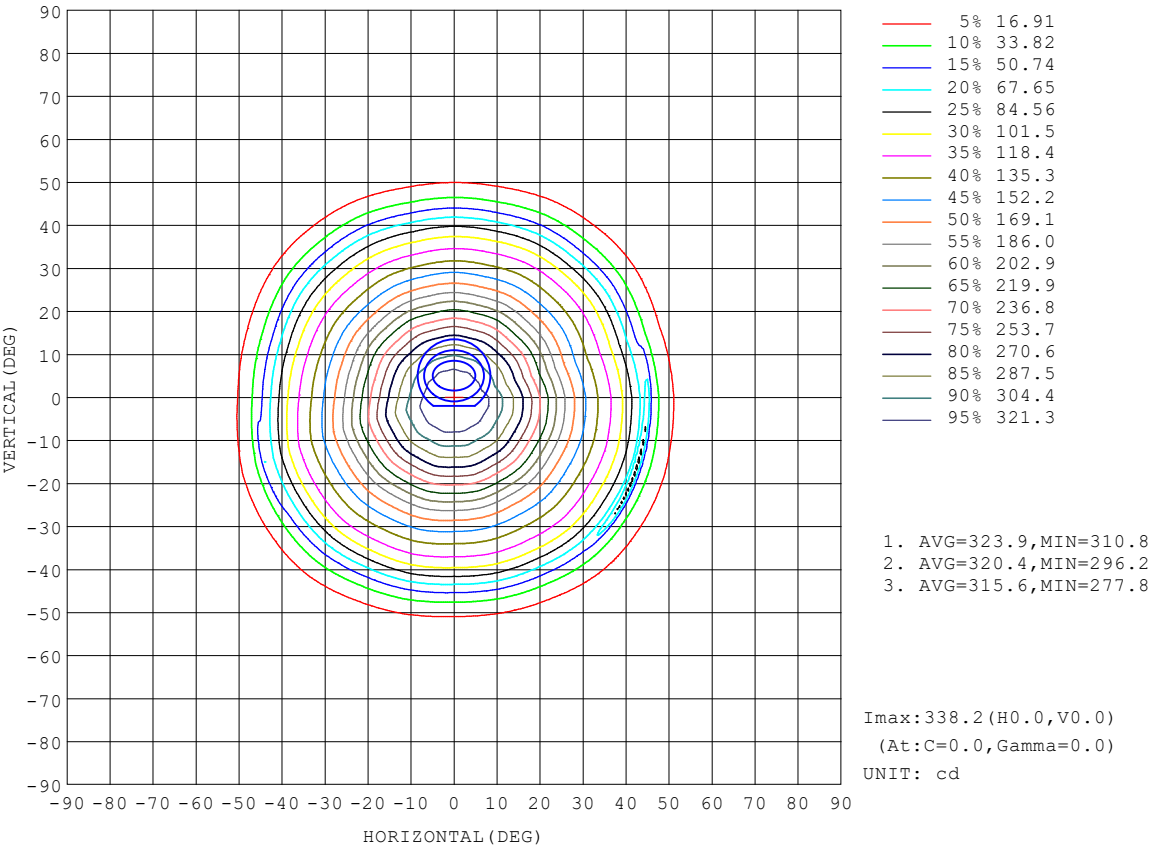
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	74	70	81	74	70	80	73	69	65
0.80	90	83	79	89	83	78	88	82	78	74
1.00	95	89	85	95	89	85	93	89	84	80
1.25	100	94	90	99	94	90	97	92	89	84
1.50	103	98	94	102	97	94	100	96	92	88
2.00	107	102	98	105	101	98	102	99	96	91
2.50	109	104	101	107	103	100	104	101	98	92
3.00	110	107	104	109	105	102	105	102	100	94
4.00	113	109	107	111	108	106	107	105	103	95
5.00	114	111	109	112	109	108	108	106	104	97
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: 25DEG
 Operators: SENPU
 Test Date: 2025-06-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 61%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.215A P:5.16W PF:1.000 Freq:0Hz		
Lamp Flux:322.939x1 lm		
NAME: 32410-IP65-2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025062308
MFR.:	SUR.:	Shielding Angle:

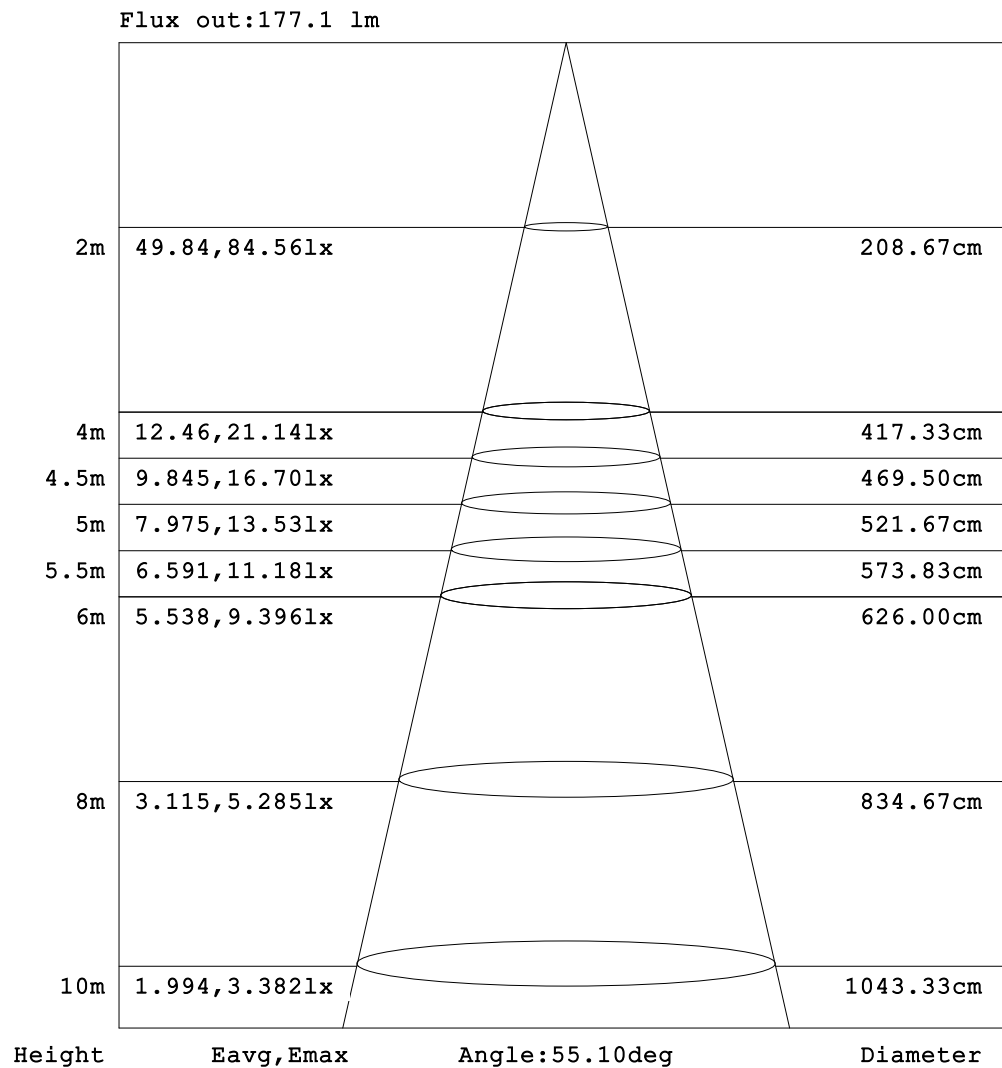


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2025-06-21

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:0.215A P:5.16W PF:1.000 Freq:0Hz Lamp Flux:322.939x1 lm		
NAME: 32410-IP65-2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025062308
MFR.:	SUR.:	Shielding Angle:



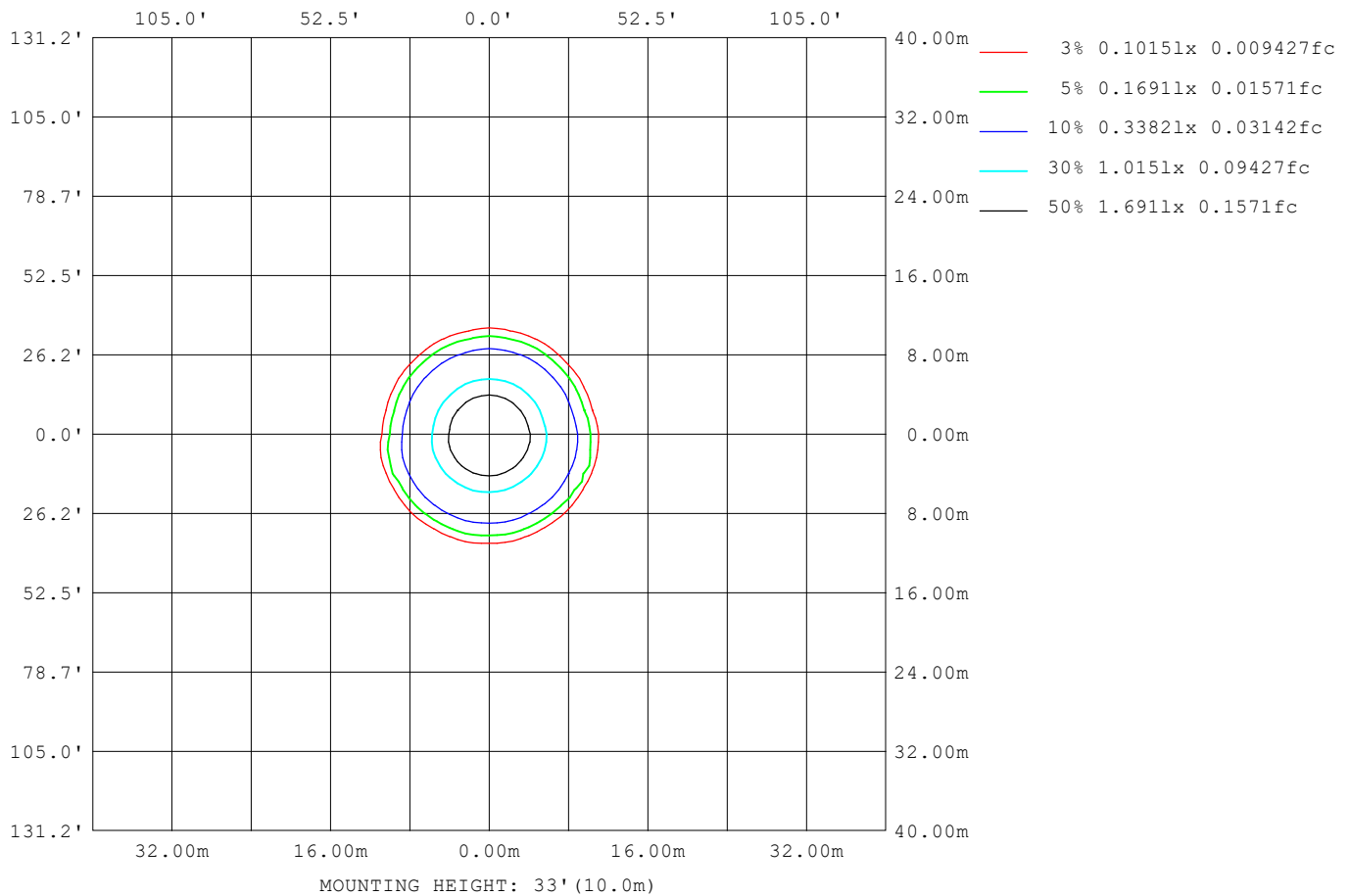
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2025-06-21

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:0.215A P:5.16W PF:1.000 Freq:0Hz Lamp Flux:322.939x1 lm		
NAME: 32410-IP65-2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025062308
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENPU
 Test Date: 2025-06-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 61%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:24.00V I:0.215A P:5.16W PF:1.000 Freq:0Hz Lamp Flux:322.939x1 lm		
NAME: 32410-IP65-2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025062308
MFR.:	SUR.:	Shielding Angle:

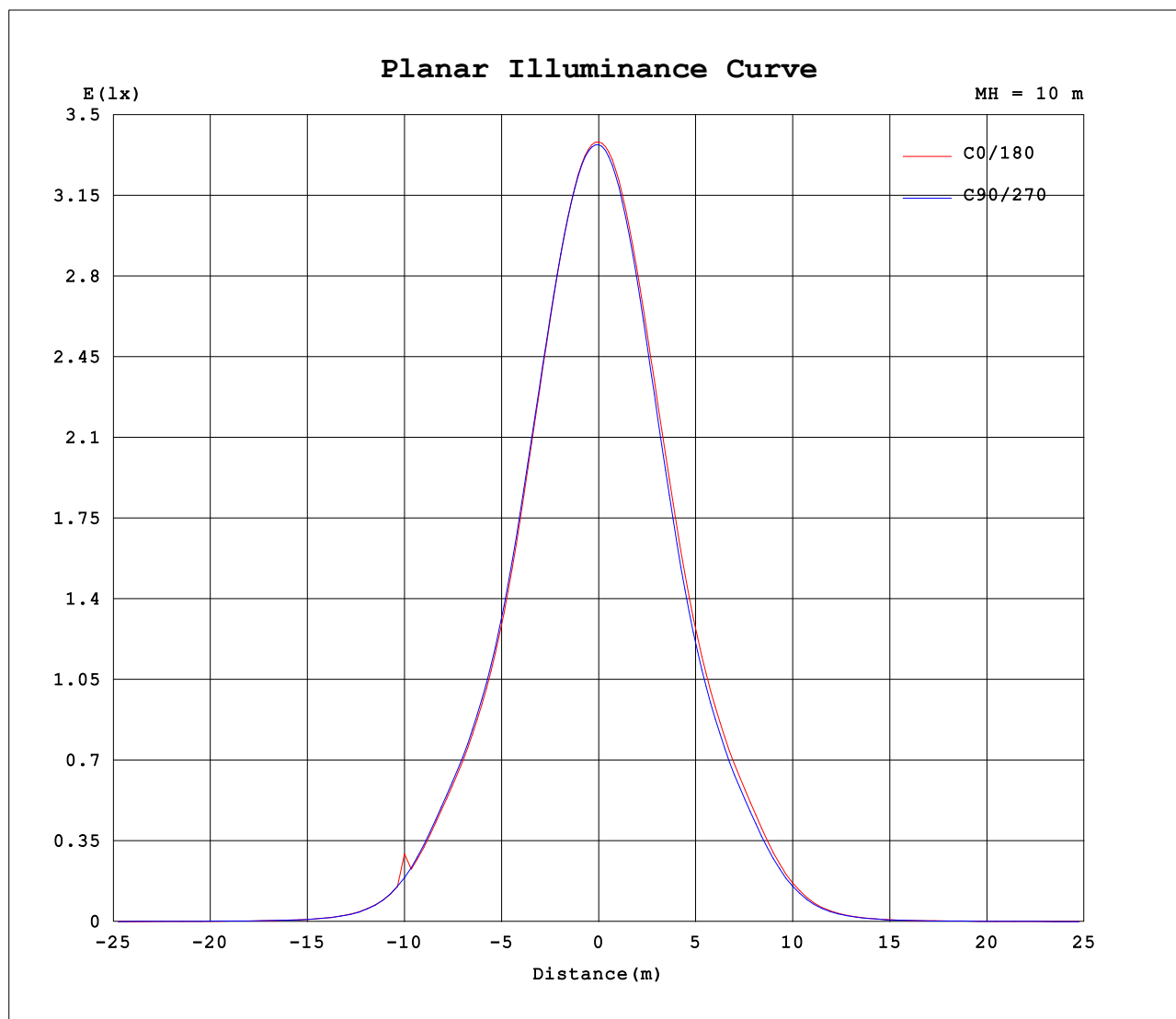
AvgL	cd/m2
L_0~180 (65) av	2828
L_0~180 (75) av	2393
L_0~180 (85) av	4368
L_90~270 (65) av	2964
L_90~270 (75) av	2952
L_90~270 (85) av	6324
L_45 (65) av	2915
L_45 (75) av	2818
L_45 (85) av	5733

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2025-06-21

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: SENPU
Test Date: 2025-06-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity: 61%
Test Distance: 8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.215A P:5.16W PF:1.000 Freq:0Hz Lamp Flux:322.939x1 lm		
NAME: 32410-IP65-2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025062308
MFR.:	SUR.:	Shielding 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	338	338	338	337	337	337	337	337	337	337	337	337	338	338	338	337	337	337	337
5	332	333	332	332	332	332	332	332	332	332	332	332	330	328	329	327	328	327	327
10	312	313	311	313	311	313	312	314	313	314	312	313	307	304	305	302	303	302	303
15	278	281	279	281	279	282	280	282	281	283	280	282	272	269	269	266	267	264	266
20	237	240	238	240	238	241	240	242	241	243	241	242	231	227	228	224	225	221	223
25	193	195	194	196	194	198	197	200	198	201	199	200	189	185	185	182	182	180	181
30	156	158	157	159	158	160	160	163	162	164	162	163	154	150	150	146	146	145	146
35	127	129	128	130	129	130	130	133	132	134	133	133	124	120	119	116	116	114	116
40	95.5	98.3	96.9	99.5	97.8	99.8	98.5	101	100	103	101	102	90.4	85.2	85.3	82.3	82.5	80.4	82.6
45	83.3	90.5	88.2	54.7	53.0	55.1	54.1	56.9	55.9	58.3	57.0	57.9	47.4	43.8	44.9	42.7	43.7	41.6	43.4
50	21.2	22.1	20.7	20.9	19.9	21.0	20.8	22.2	21.8	23.1	22.4	23.0	17.9	16.7	16.9	15.9	16.6	15.8	16.7
55	7.75	8.08	7.66	7.63	7.26	7.56	7.62	8.09	7.93	8.26	7.99	8.16	6.59	6.12	6.34	5.89	6.24	5.79	6.13
60	3.40	3.47	3.45	3.47	3.44	3.54	3.57	3.61	3.64	3.69	3.60	3.63	3.12	3.08	3.07	3.11	3.05	2.98	2.92
65	2.39	2.31	2.39	2.40	2.46	2.46	2.57	2.48	2.57	2.46	2.41	2.35	2.15	2.21	2.23	2.31	2.25	2.25	2.19
70	1.77	1.66	1.77	1.77	1.85	1.86	1.96	1.84	1.92	1.78	1.73	1.67	1.50	1.64	1.68	1.81	1.76	1.80	1.73
75	1.32	1.19	1.29	1.31	1.40	1.40	1.50	1.37	1.43	1.26	1.22	1.18	1.04	1.21	1.32	1.45	1.39	1.50	1.40
80	1.02	0.83	0.94	0.97	1.13	1.09	1.20	1.09	1.09	0.88	0.85	0.80	0.68	0.95	1.12	1.26	1.30	1.37	1.36
85	0.91	0.67	0.81	0.86	1.03	0.98	1.08	0.99	0.93	0.68	0.65	0.61	0.54	0.87	0.95	0.83	1.19	1.39	1.01
90	0.22	0.54	0.25	0.23	0.24	0.19	0.24	0.89	0.25	0.59	0.27	0.48	0.00	0.04	0.02	0.04	0.01	0.04	0.02
95	0.22	0.29	0.24	0.13	0.14	0.11	0.13	0.52	0.15	0.41	0.16	0.28	0.00	0.02	0.02	0.02	0.01	0.02	0.02
100	0.04	0.08	0.24	0.04	0.04	0.03	0.02	0.15	0.04	0.23	0.05	0.08	0.00	0.02	0.02	0.02	0.01	0.02	0.02
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2025-06-21

γ Range: 0 - 100DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.215A P:5.16W PF:1.000 Freq:0Hz Lamp Flux:322.939x1 lm		
NAME: 32410-IP65-2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025062308
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

γ (DEG)	C (DEG)																	
	285	300	315	330	345													
0	337	337	337	337	337													
5	326	327	326	328	327													
10	301	303	302	304	303													
15	264	267	266	268	268													
20	221	224	222	226	224													
25	179	182	180	183	181													
30	145	148	147	149	148													
35	116	118	118	120	120													
40	81.7	84.1	82.6	85.7	84.7													
45	42.1	43.5	41.4	44.1	42.6													
50	16.1	16.7	15.9	16.9	16.2													
55	5.67	6.00	5.58	6.06	5.90													
60	2.90	2.88	2.87	2.87	2.97													
65	2.19	2.17	2.20	2.16	2.22													
70	1.77	1.75	1.77	1.68	1.69													
75	1.46	1.48	1.53	1.36	1.31													
80	1.35	1.46	1.43	1.32	1.07													
85	1.37	1.32	1.42	0.98	0.85													
90	0.02	0.01	0.03	0.00	0.03													
95	0.02	0.01	0.03	0.00	0.01													
100	0.01	0.01	0.03	0.00	0.01													
105	0.00	0.00	0.00	0.00	0.00													
110	0.00	0.00	0.00	0.00	0.00													
115	0.00	0.00	0.00	0.00	0.00													
120	0.00	0.00	0.00	0.00	0.00													
125	0.00	0.00	0.00	0.00	0.00													
130	0.00	0.00	0.00	0.00	0.00													
135	0.00	0.00	0.00	0.00	0.00													
140	0.00	0.00	0.00	0.00	0.00													
145	0.00	0.00	0.00	0.00	0.00													
150	0.00	0.00	0.00	0.00	0.00													
155	0.00	0.00	0.00	0.00	0.00													
160	0.00	0.00	0.00	0.00	0.00													
165	0.00	0.00	0.00	0.00	0.00													
170	0.00	0.00	0.00	0.00	0.00													
175	0.00	0.00	0.00	0.00	0.00													
180	0.00	0.00	0.00	0.00	0.00													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:SENPU
 Test Date:2025-06-21

γ Range: 0 - 100DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:61%
 Test Distance:8.000m [K=1.0000]
 Remarks: