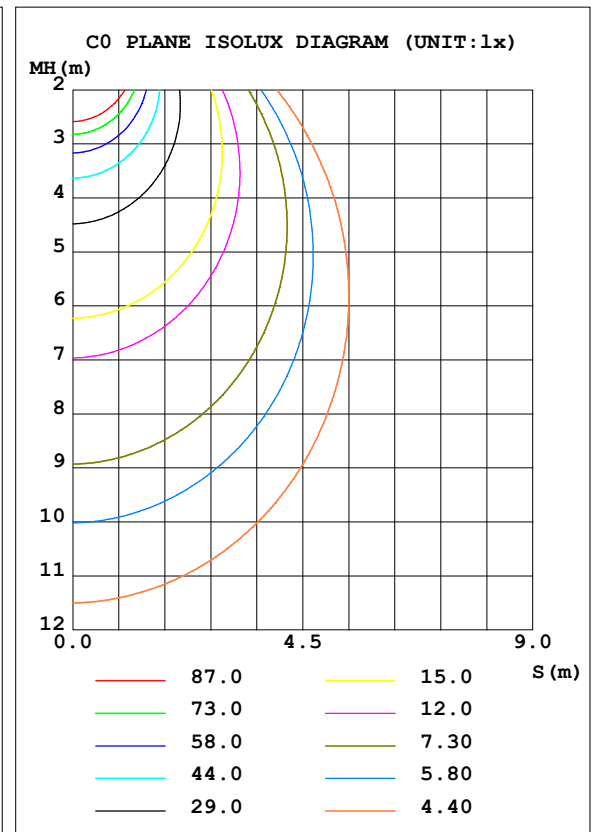
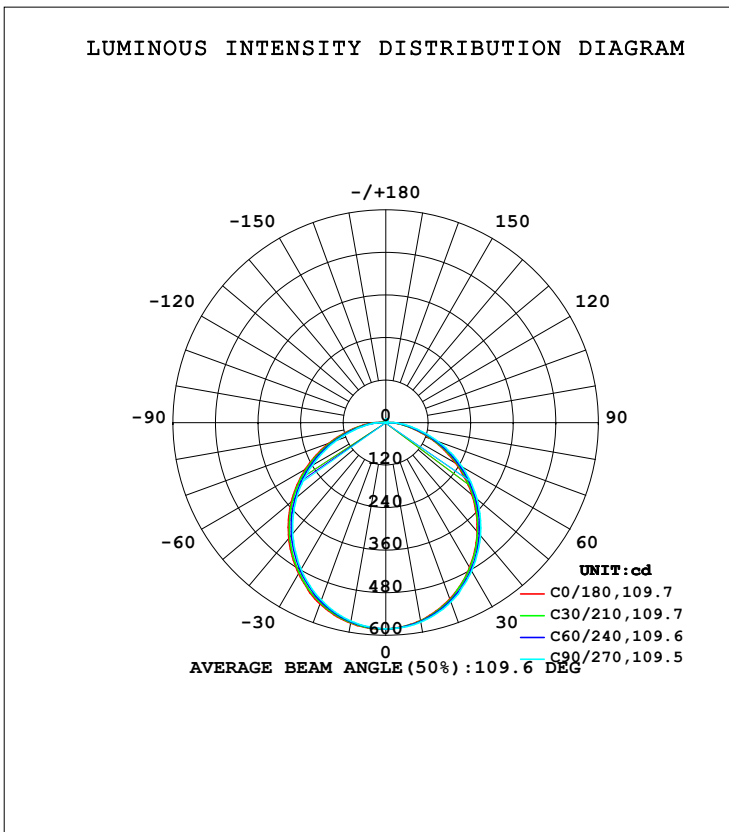


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:240.28V I:0.1192A P:16.824W PF:0.5875 Freq:49.99Hz Lamp Flux:1668.94x1 lm		
NAME: S18437-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	S18437-3K	I <sub>max</sub> (cd)	582.3	S/MH (C0/180)	1.26
NOMINAL POWER (W)	16.8243	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	1668.9	η UP, DN (C0-180)	1.0, 49.0
NOMINAL FLUX (lm)	1668.94	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.0, 48.9
LAMPS INSIDE	1	η up (%)	2.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	240.28	η down (%)	98.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 11.780m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

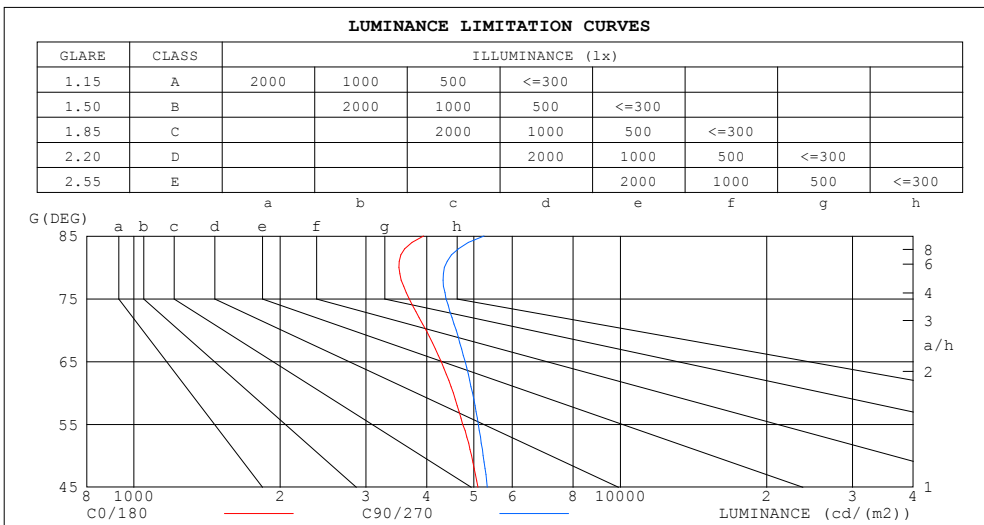
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	☉ zone	☉ total	lum, lamp
10	566.4	568.3	571.1	572.4	574.2	571.3	568.3	566.1	0- 10	54.94	54.94	3.29,3.29
20	529.0	532.9	537.9	541.1	543.6	538.6	532.8	529.5	10- 20	156.6	211.6	12.7,12.7
30	472.5	477.1	483.7	489.3	491.8	485.5	478.0	472.6	20- 30	235.2	446.8	26.8,26.8
40	401.1	407.2	415.7	422.7	425.9	418.1	408.5	401.3	30- 40	280.5	727.3	43.6,43.6
50	318.0	326.1	336.0	344.3	348.0	338.9	327.8	318.8	40- 50	288.1	1015	60.8,60.8
60	226.8	236.8	248.5	257.2	261.6	251.3	238.6	228.5	50- 60	257.9	1273	76.3,76.3
70	136.4	145.5	157.3	166.4	170.9	160.2	147.6	137.9	60- 70	195.9	1469	88,88
80	60.91	66.71	75.53	82.85	86.84	77.81	68.51	62.56	70- 80	116.9	1586	95,95
90	16.59	19.31	23.09	28.24	29.42	24.44	19.43	17.33	80- 90	48.75	1635	98,98
100	2.883	2.532	3.047	4.178	5.039	3.290	2.317	2.613	90-100	11.22	1646	98.6,98.6
110	3.172	2.657	2.542	2.406	2.151	2.220	2.427	2.632	100-110	2.554	1649	98.8,98.8
120	4.152	3.455	3.477	3.386	3.088	3.061	3.311	3.464	110-120	2.917	1651	99,99
130	5.124	4.387	4.405	4.526	4.171	4.031	4.318	4.543	120-130	3.491	1655	99.2,99.2
140	5.913	5.557	5.298	5.735	5.064	5.080	5.279	5.753	130-140	3.807	1659	99.4,99.4
150	6.742	6.615	6.624	6.796	6.001	6.165	6.371	7.084	140-150	3.773	1663	99.6,99.6
160	8.141	7.464	7.942	7.820	6.988	7.204	7.361	7.630	150-160	3.289	1666	99.8,99.8
170	8.531	8.267	8.396	8.440	8.022	7.950	7.534	8.245	160-170	2.217	1668	99.9,99.9
180	9.867	10.41	9.563	9.884	9.875	10.40	9.563	9.858	170-180	0.8641	1669	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:240.28V I:0.1192A P:16.824W PF:0.5875 Freq:49.99Hz Lamp Flux:1668.94x1 lm		
NAME: S18437-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3941	5248
80	3507	4349
75	3684	4384
70	3988	4598
65	4284	4798
60	4536	4970
55	4742	5108
50	4947	5228
45	5100	5332

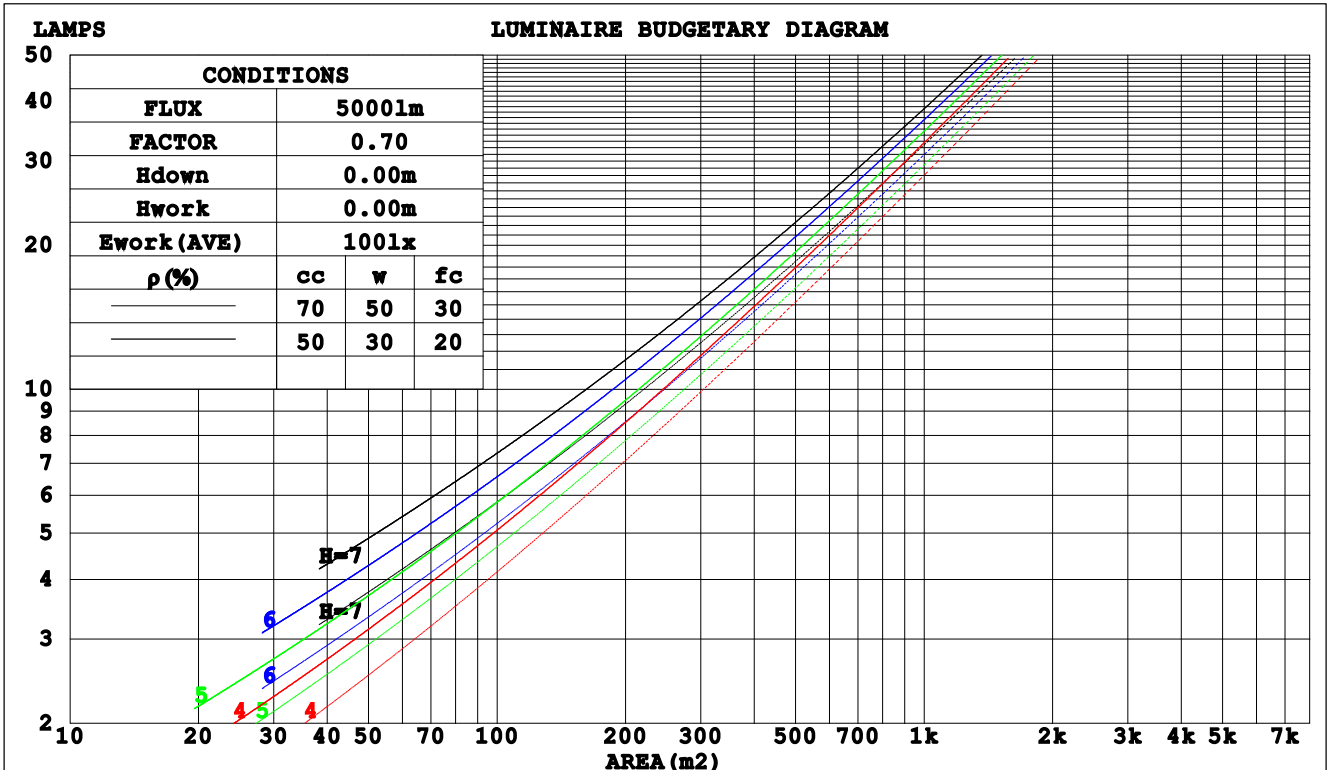
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2023-11-27**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421**  
**Humidity:65.0%**  
**Test Distance:11.780m [K=1.0000]**  
**Remarks:**

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:240.28V I:0.1192A P:16.824W PF:0.5875 Freq:49.99Hz Lamp Flux:1668.94x1 lm		
NAME: S18437-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																
pfc																
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	1.03	.98	.94	1.00	.96	.93	.96	.92	.89	.91	.89	.86	.88	.85	.83	.81
2.0	.90	.83	.77	.87	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.67
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.53	.63	.57	.52	.60	.55	.51	.48
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.41	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.36	.30	.26	.35	.30	.25	.24



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:240.28V I:0.1192A P:16.824W PF:0.5875 Freq:49.99Hz Lamp Flux:1668.94x1 lm		
NAME: S18437-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	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
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients (WEC)</b>									
0.0																
1.0	.319	.182	.058	.311	.178	.056	.297	.170	.054	.284	.164	.053	.271	.157	.051	
2.0	.295	.162	.050	.289	.159	.049	.276	.153	.048	.264	.148	.046	.253	.143	.045	
3.0	.272	.145	.043	.266	.142	.043	.254	.138	.042	.244	.134	.041	.234	.130	.040	
4.0	.250	.130	.038	.244	.128	.038	.234	.124	.037	.225	.121	.036	.216	.117	.036	
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.208	.110	.033	.200	.107	.032	
6.0	.213	.107	.031	.209	.106	.030	.201	.103	.030	.194	.101	.030	.187	.098	.029	
7.0	.199	.098	.028	.195	.097	.028	.187	.095	.027	.181	.093	.027	.174	.091	.027	
8.0	.185	.091	.025	.182	.090	.025	.175	.088	.025	.169	.086	.025	.163	.084	.024	
9.0	.174	.084	.023	.171	.083	.023	.165	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.074	.021	.145	.073	.021	

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
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients (CCEC)</b>									
0.0	.206	.206	.206	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.197	.172	.149	.168	.147	.129	.115	.101	.089	.066	.059	.052	.021	.019	.017	
2.0	.189	.148	.113	.161	.127	.098	.111	.088	.068	.064	.051	.040	.020	.017	.013	
3.0	.181	.130	.090	.155	.112	.078	.106	.078	.055	.061	.046	.032	.020	.015	.011	
4.0	.173	.117	.074	.148	.101	.064	.102	.070	.045	.059	.041	.027	.019	.013	.009	
5.0	.165	.107	.063	.142	.092	.055	.098	.064	.039	.057	.038	.023	.018	.012	.008	
6.0	.158	.098	.055	.136	.085	.048	.094	.060	.034	.054	.035	.020	.018	.011	.007	
7.0	.151	.091	.049	.130	.079	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
8.0	.145	.086	.045	.125	.074	.039	.086	.052	.028	.050	.031	.017	.016	.010	.005	
9.0	.139	.081	.041	.120	.070	.036	.083	.049	.026	.048	.029	.015	.016	.010	.005	
10.0	.133	.076	.039	.115	.066	.034	.080	.047	.024	.046	.028	.014	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.28V I:0.1192A P:16.824W PF:0.5875 Freq:49.99Hz Lamp Flux:1668.94x1 lm										
NAME: S18437-3K					TYPE:LED CEILING LAMP			WEIGHT:		
SPEC.:17W 3000K					DIM.: 320x320x82.3mm			SERIAL No.:		
MFR.:					SUR.:320x320mm			Shielding Angle:		
<b>ceiling/cavity</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>
<b>walls</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>
<b>working plane</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>x = 2H y = 2H</b>	<b>18.0</b>	<b>19.5</b>	<b>18.3</b>	<b>19.7</b>	<b>20.0</b>	<b>18.3</b>	<b>19.8</b>	<b>18.6</b>	<b>20.0</b>	<b>20.3</b>
<b>3H</b>	<b>19.4</b>	<b>20.8</b>	<b>19.7</b>	<b>21.0</b>	<b>21.3</b>	<b>19.8</b>	<b>21.2</b>	<b>20.2</b>	<b>21.5</b>	<b>21.8</b>
<b>4H</b>	<b>19.9</b>	<b>21.2</b>	<b>20.3</b>	<b>21.5</b>	<b>21.8</b>	<b>20.5</b>	<b>21.8</b>	<b>20.8</b>	<b>22.1</b>	<b>22.4</b>
<b>6H</b>	<b>20.3</b>	<b>21.6</b>	<b>20.7</b>	<b>21.9</b>	<b>22.2</b>	<b>21.0</b>	<b>22.2</b>	<b>21.4</b>	<b>22.5</b>	<b>22.9</b>
<b>8H</b>	<b>20.5</b>	<b>21.7</b>	<b>20.9</b>	<b>22.0</b>	<b>22.4</b>	<b>21.2</b>	<b>22.4</b>	<b>21.6</b>	<b>22.7</b>	<b>23.1</b>
<b>12H</b>	<b>20.6</b>	<b>21.8</b>	<b>21.0</b>	<b>22.1</b>	<b>22.5</b>	<b>21.4</b>	<b>22.6</b>	<b>21.8</b>	<b>22.9</b>	<b>23.3</b>
<b>4H 2H</b>	<b>18.6</b>	<b>19.9</b>	<b>18.9</b>	<b>20.2</b>	<b>20.5</b>	<b>18.8</b>	<b>20.1</b>	<b>19.2</b>	<b>20.4</b>	<b>20.7</b>
<b>3H</b>	<b>20.2</b>	<b>21.3</b>	<b>20.6</b>	<b>21.7</b>	<b>22.0</b>	<b>20.5</b>	<b>21.7</b>	<b>20.9</b>	<b>22.0</b>	<b>22.4</b>
<b>4H</b>	<b>20.8</b>	<b>21.9</b>	<b>21.2</b>	<b>22.3</b>	<b>22.6</b>	<b>21.3</b>	<b>22.4</b>	<b>21.7</b>	<b>22.7</b>	<b>23.1</b>
<b>6H</b>	<b>21.4</b>	<b>22.3</b>	<b>21.8</b>	<b>22.7</b>	<b>23.1</b>	<b>22.0</b>	<b>22.9</b>	<b>22.4</b>	<b>23.3</b>	<b>23.7</b>
<b>8H</b>	<b>21.6</b>	<b>22.5</b>	<b>22.1</b>	<b>22.9</b>	<b>23.3</b>	<b>22.3</b>	<b>23.1</b>	<b>22.7</b>	<b>23.6</b>	<b>24.0</b>
<b>12H</b>	<b>21.8</b>	<b>22.6</b>	<b>22.3</b>	<b>23.1</b>	<b>23.5</b>	<b>22.6</b>	<b>23.4</b>	<b>23.0</b>	<b>23.8</b>	<b>24.2</b>
<b>8H 4H</b>	<b>21.1</b>	<b>22.0</b>	<b>21.6</b>	<b>22.4</b>	<b>22.8</b>	<b>21.5</b>	<b>22.4</b>	<b>22.0</b>	<b>22.8</b>	<b>23.3</b>
<b>6H</b>	<b>21.9</b>	<b>22.6</b>	<b>22.3</b>	<b>23.0</b>	<b>23.5</b>	<b>22.4</b>	<b>23.1</b>	<b>22.9</b>	<b>23.6</b>	<b>24.0</b>
<b>8H</b>	<b>22.2</b>	<b>22.8</b>	<b>22.7</b>	<b>23.3</b>	<b>23.8</b>	<b>22.8</b>	<b>23.4</b>	<b>23.3</b>	<b>23.9</b>	<b>24.4</b>
<b>12H</b>	<b>22.5</b>	<b>23.1</b>	<b>23.0</b>	<b>23.6</b>	<b>24.1</b>	<b>23.2</b>	<b>23.8</b>	<b>23.7</b>	<b>24.2</b>	<b>24.8</b>
<b>12H 4H</b>	<b>21.2</b>	<b>22.0</b>	<b>21.6</b>	<b>22.4</b>	<b>22.8</b>	<b>21.6</b>	<b>22.4</b>	<b>22.0</b>	<b>22.8</b>	<b>23.2</b>
<b>6H</b>	<b>21.9</b>	<b>22.6</b>	<b>22.4</b>	<b>23.1</b>	<b>23.6</b>	<b>22.4</b>	<b>23.1</b>	<b>22.9</b>	<b>23.6</b>	<b>24.0</b>
<b>8H</b>	<b>22.3</b>	<b>22.9</b>	<b>22.8</b>	<b>23.4</b>	<b>23.9</b>	<b>22.9</b>	<b>23.5</b>	<b>23.4</b>	<b>23.9</b>	<b>24.5</b>
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	<b>+ 0.2 / - 0.2</b>					<b>+ 0.1 / - 0.2</b>				
<b>1.5H</b>	<b>+ 0.2 / - 0.3</b>					<b>+ 0.2 / - 0.3</b>				
<b>2.0H</b>	<b>+ 0.2 / - 0.3</b>					<b>+ 0.2 / - 0.3</b>				

CIE Pub.117, 1669 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.8)  
 Area: 0.1 m2

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.28V I:0.1192A P:16.824W PF:0.5875 Freq:49.99Hz Lamp Flux:1668.94x1 lm		
NAME: S18437-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

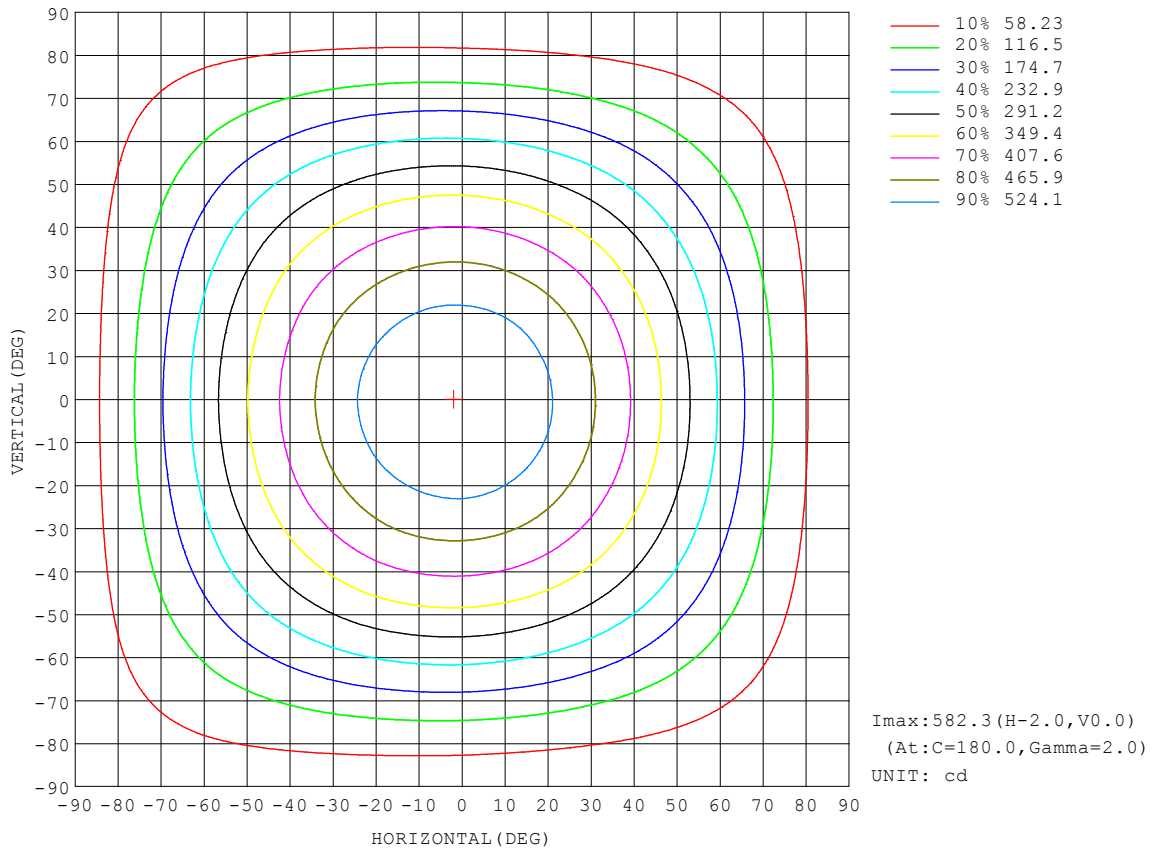
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	56	74	63	56	71	64	56	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	91	85	80	72
3.00	101	94	88	99	92	87	94	89	85	76
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	103	98	105	100	97	100	97	93	83
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:  
 Test Date:2023-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:240.28V I:0.1192A P:16.824W PF:0.5875 Freq:49.99Hz Lamp Flux:1668.94x1 lm		
NAME: S18437-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

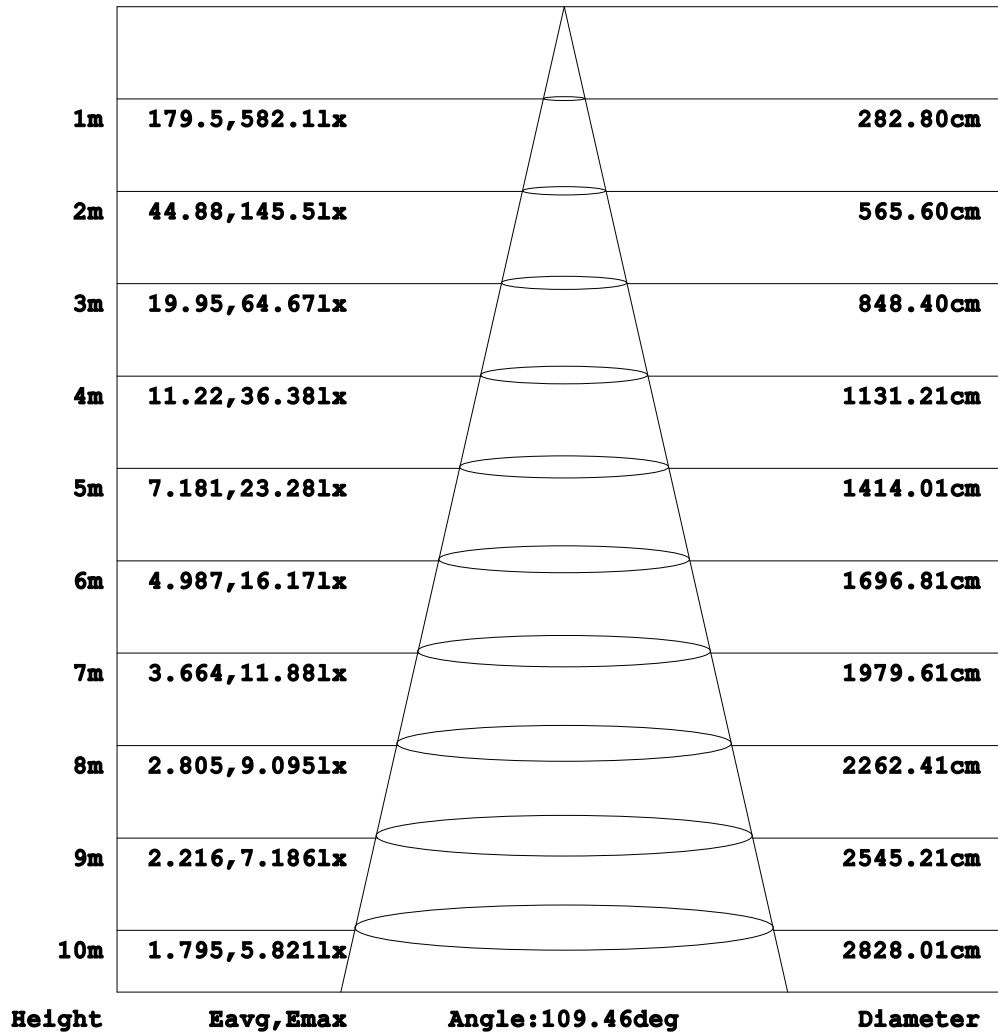
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:240.28V I:0.1192A P:16.824W PF:0.5875 Freq:49.99Hz Lamp Flux:1668.94x1 lm		
NAME: S18437-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

**Flux out:1150 lm**



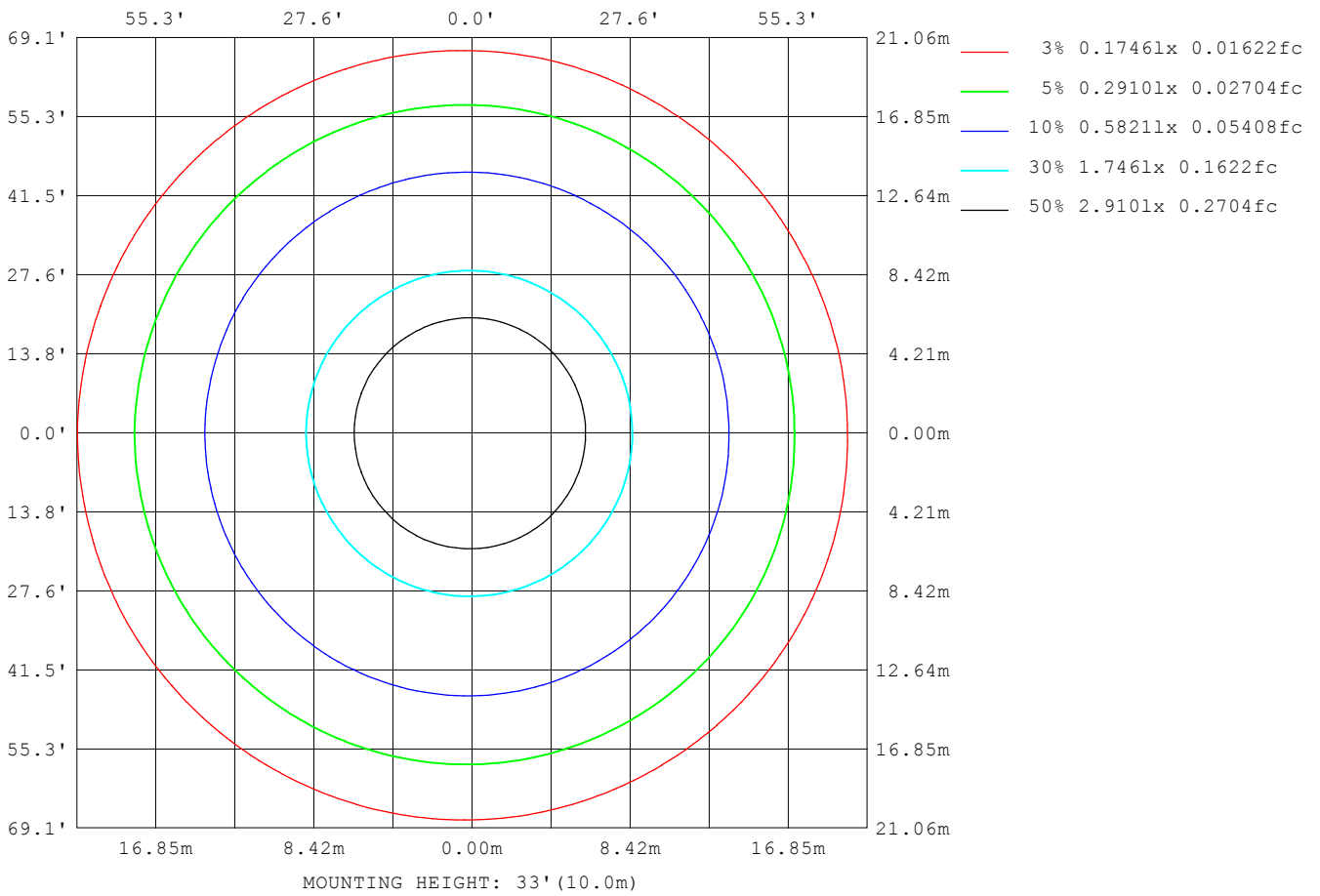
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:240.28V I:0.1192A P:16.824W PF:0.5875 Freq:49.99Hz Lamp Flux:1668.94x1 lm		
NAME: S18437-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2023-11-27**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421**  
**Humidity:65.0%**  
**Test Distance:11.780m [K=1.0000]**  
**Remarks:**

LED Avg.L Report

Test:U:240.28V I:0.1192A P:16.824W PF:0.5875 Freq:49.99Hz Lamp Flux:1668.94x1 lm		
NAME: S18437-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

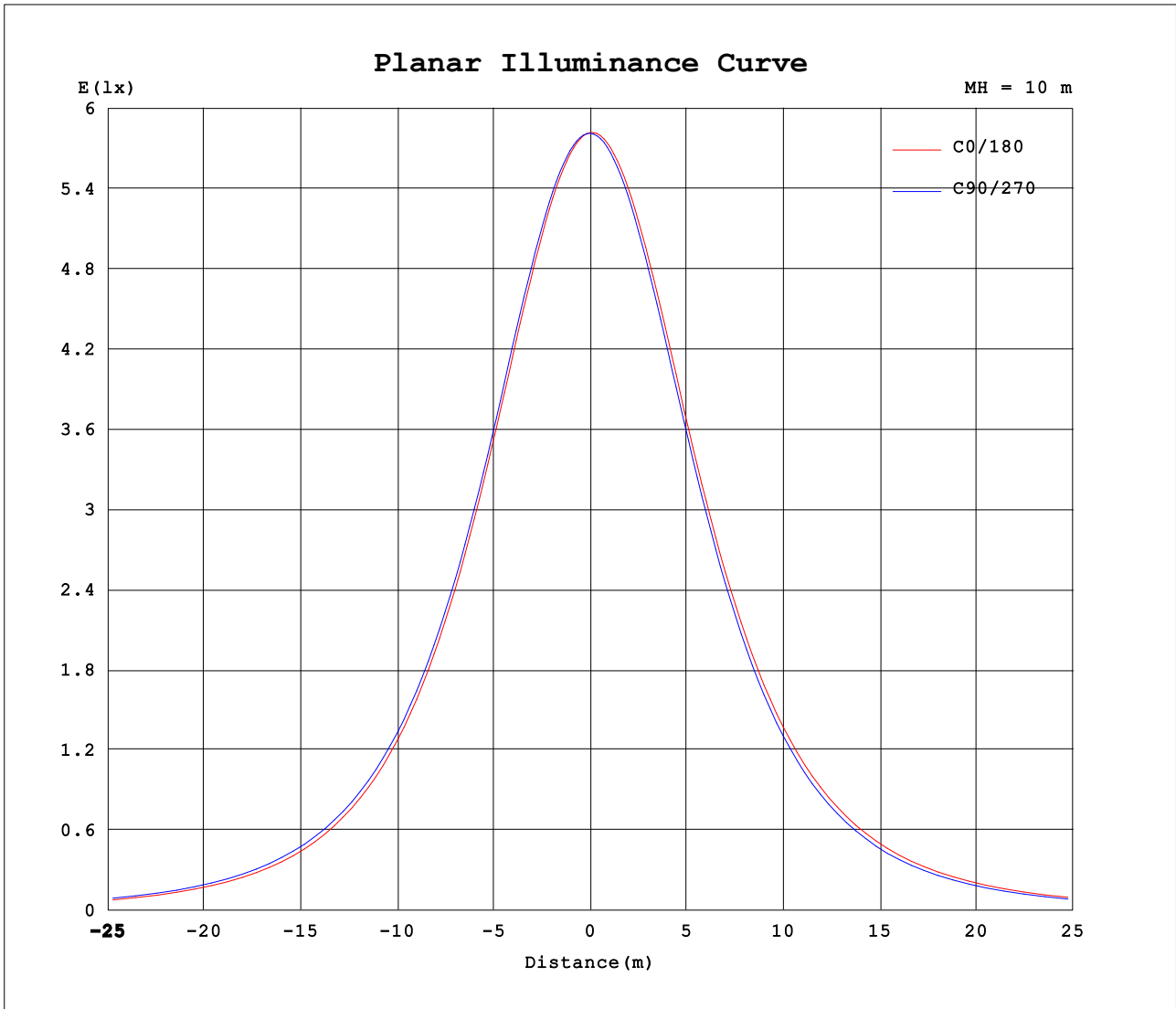
AvgL	cd/m2
L_0~180 (65) av	4701
L_0~180 (75) av	4289
L_0~180 (85) av	5074
L_90~270 (65) av	4682
L_90~270 (75) av	4218
L_90~270 (85) av	4919
L_45 (65) av	4678
L_45 (75) av	4233
L_45 (85) av	4961

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2023-11-27

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 11.780m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.28V I:0.1192A P:16.824W PF:0.5875 Freq:49.99Hz Lamp Flux:1668.94x1 lm		
NAME: S18437-3K	TYPE:LED CEILING LAMP	WEIGHT:
SPEC.:17W 3000K	DIM.: 320x320x82.3mm	SERIAL No.:
MFR.:	SUR.:320x320mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	582	582	581	581	581	581	582	582	581	581	581	581							
5	577	578	578	579	579	580	581	580	579	578	577	576							
10	566	568	569	571	572	573	574	572	570	568	567	565							
15	550	552	554	557	559	560	562	559	556	553	551	549							
20	529	531	534	538	540	542	544	540	537	533	531	528							
25	503	504	509	512	517	519	520	517	511	508	503	502							
30	472	474	480	484	489	490	492	489	482	478	473	472							
35	438	441	447	451	457	459	461	457	450	445	440	437							
40	401	404	410	416	421	424	426	422	414	408	403	400							
45	361	364	371	377	383	386	388	384	376	369	363	360							
50	318	322	330	336	342	346	348	343	335	328	321	317							
55	272	279	286	293	300	304	306	300	292	284	276	272							
60	227	234	240	248	254	260	262	255	247	239	231	226							
65	181	188	194	203	209	215	216	210	202	193	185	180							
70	136	142	149	157	163	169	171	164	156	148	140	135							
75	95.4	100	106	113	119	125	127	120	113	105	99.1	94.8							
80	60.9	64.6	68.8	75.5	80.4	85.3	86.8	81.3	74.3	68.5	64.1	61.0							
85	34.4	37.1	40.5	45.7	49.2	53.1	54.1	49.6	44.3	40.0	37.4	35.0							
90	16.6	18.0	20.7	23.1	26.8	29.7	29.4	25.9	22.9	19.4	18.0	16.6							
95	6.71	6.82	6.90	8.33	11.6	13.5	13.5	11.2	8.26	6.64	6.43	5.98							
100	2.88	2.57	2.49	3.05	3.76	4.59	5.04	3.80	2.78	2.32	2.61	2.62							
105	2.70	2.40	2.17	2.18	2.20	2.24	2.18	1.92	1.90	2.06	2.23	2.37							
110	3.17	2.78	2.53	2.54	2.51	2.31	2.15	2.20	2.24	2.43	2.55	2.71							
115	3.68	3.19	2.92	3.01	2.99	2.76	2.58	2.59	2.65	2.88	2.99	3.04							
120	4.15	3.61	3.30	3.48	3.48	3.29	3.09	3.03	3.10	3.31	3.38	3.55							
125	4.67	4.07	3.71	3.94	4.00	3.95	3.63	3.49	3.59	3.81	3.88	4.08							
130	5.12	4.61	4.16	4.41	4.55	4.50	4.17	3.99	4.08	4.32	4.37	4.72							
135	5.50	5.16	4.62	4.84	5.16	5.08	4.62	4.48	4.59	4.80	4.85	5.31							
140	5.91	5.78	5.34	5.30	5.74	5.73	5.06	5.04	5.12	5.28	5.32	6.19							
145	6.22	6.21	5.93	5.86	6.22	6.25	5.54	5.57	5.67	5.74	6.01	7.06							
150	6.74	6.82	6.42	6.62	6.93	6.66	6.00	6.03	6.30	6.37	6.76	7.41							
155	7.72	7.16	7.00	7.44	7.61	7.15	6.49	6.48	6.96	7.18	7.30	7.64							
160	8.14	7.47	7.45	7.94	8.03	7.61	6.99	6.97	7.44	7.36	7.48	7.78							
165	8.31	7.75	7.90	8.07	8.30	8.05	7.58	7.38	7.70	7.42	7.73	8.02							
170	8.53	8.16	8.37	8.40	8.48	8.40	8.02	7.91	7.99	7.53	8.00	8.49							
175	9.29	9.86	10.4	9.67	9.23	9.51	9.85	10.2	9.49	9.05	9.32	9.59							
180	9.87	10.4	10.4	9.56	9.79	9.98	9.88	10.4	10.4	9.56	9.74	9.98							

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023-11-27

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.780m [K=1.0000]  
 Remarks: