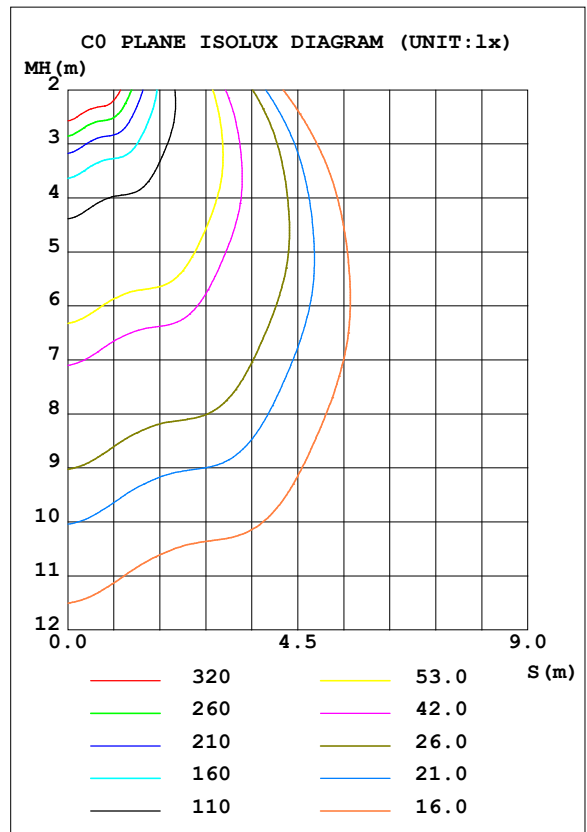
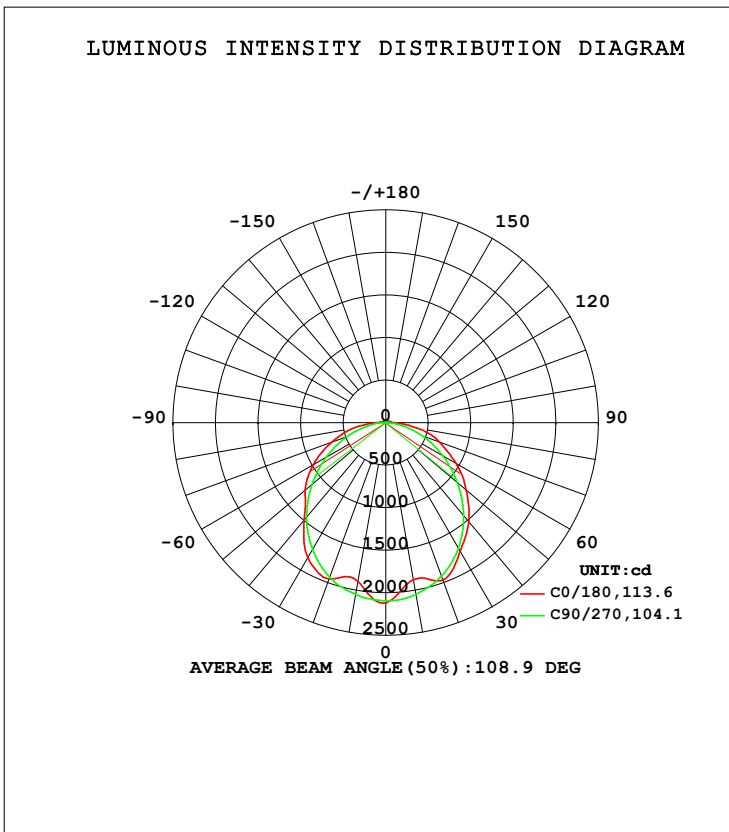


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:240.28V I:0.2066A P:47.922W PF:0.9656 Freq:49.99Hz Lamp Flux:6138.26x1 lm		
NAME: S29695	TYPE:LED NCF	WEIGHT:
SPEC.:48W 4000K	DIM.: 1500x96x79mm	SERIAL No.:
MFR.:	SUR.:1500x96mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.09 lm/W			
MODEL	S29695	I <sub>max</sub> (cd)	2122	S/MH (C0/180)	1.28
NOMINAL POWER (W)	47.9224	LOR (%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE (V)	240	TOTAL FLUX (lm)	6138.3	η UP, DN (C0-180)	1.4, 48.2
NOMINAL FLUX (lm)	6138.26	CIE CLASS	DIRECT	η UP, DN (C180-360)	1.4, 49.0
LAMPS INSIDE	1	η up (%)	2.8	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	240.283	η down (%)	97.2	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-04-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 11.498m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

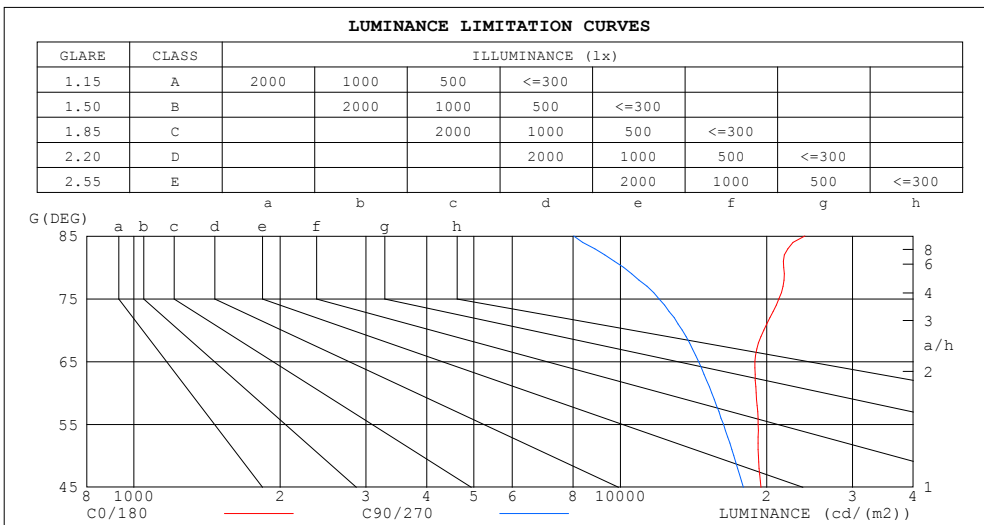
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	☉ zone	☉ total	lum, lamp
10	1876	1917	2046	1891	1895	1919	2049	1906	0- 10	191.5	191.5	3.12,3.12
20	1967	1803	1919	1794	1955	1808	1934	1789	10- 20	534.6	726.1	11.8,11.8
30	1749	1756	1708	1751	1833	1777	1721	1759	20- 30	845.8	1572	25.6,25.6
40	1521	1475	1425	1489	1494	1523	1450	1481	30- 40	1019	2591	42.2,42.2
50	1236	1170	1101	1121	1237	1156	1131	1185	40- 50	1020	3611	58.8,58.8
60	950.9	888.6	771.1	858.9	981.1	884.7	804.0	900.4	50- 60	915.3	4526	73.7,73.7
70	675.2	620.1	458.8	610.3	676.4	630.3	485.6	637.3	60- 70	730.9	5257	85.6,85.6
80	376.3	368.2	176.5	352.8	387.8	369.0	194.7	390.4	70- 80	488.9	5746	93.6,93.6
90	104.3	138.5	21.29	131.2	114.6	136.8	22.47	142.6	80- 90	219.9	5966	97.2,97.2
100	50.23	52.49	16.04	50.83	49.77	51.86	15.84	49.36	90-100	69.22	6035	98.3,98.3
110	40.47	32.48	8.772	31.47	39.29	31.49	8.252	32.00	100-110	36.46	6072	98.9,98.9
120	29.62	18.68	9.197	20.12	28.18	19.32	8.122	18.26	110-120	23.14	6095	99.3,99.3
130	21.13	13.35	10.23	13.17	19.36	12.11	9.007	12.24	120-130	14.39	6109	99.5,99.5
140	15.69	12.32	11.58	12.50	13.31	11.34	10.51	11.27	130-140	9.966	6119	99.7,99.7
150	13.87	12.96	12.74	13.02	12.63	12.12	12.02	11.87	140-150	7.814	6127	99.8,99.8
160	14.16	13.85	13.71	13.60	13.35	13.00	13.27	12.93	150-160	6.037	6133	99.9,99.9
170	14.94	14.56	14.40	14.21	14.35	13.92	14.19	13.95	160-170	3.932	6137	100,100
180	14.98	14.82	14.68	14.63	15.03	14.70	14.75	14.54	170-180	1.386	6138	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.498m [K=1.0000]  
 Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:240.28V I:0.2066A P:47.922W PF:0.9656 Freq:49.99Hz Lamp Flux:6138.26x1 lm		
NAME: S29695	TYPE:LED NCF	WEIGHT:
SPEC.:48W 4000K	DIM.: 1500x96x79mm	SERIAL No.:
MFR.:	SUR.:1500x96mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	23941	8023
80	21673	10162
75	21179	12008
70	19740	13416
65	18921	14484
60	19018	15421
55	19209	16288
50	19225	17121
45	19476	17896

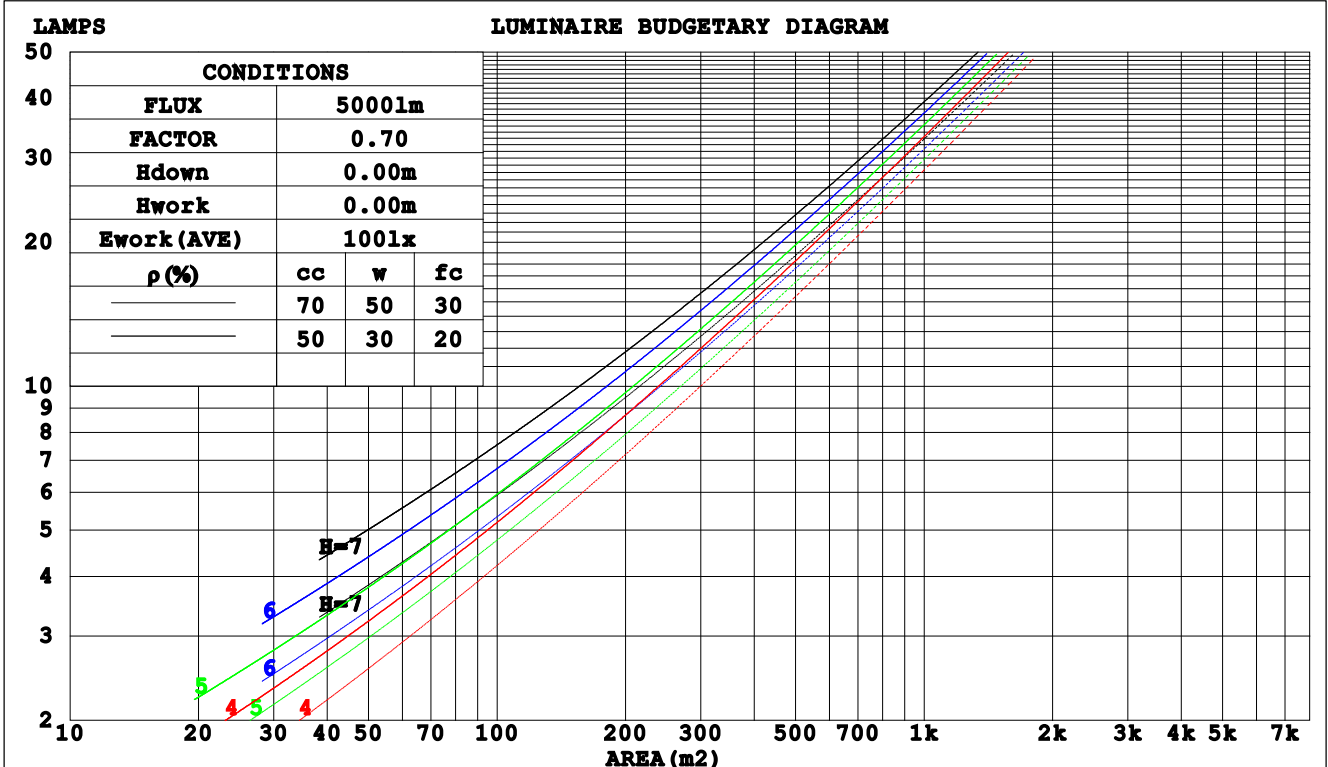
**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2024-04-28**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421**  
**Humidity:65.0%**  
**Test Distance:11.498m [K=1.0000]**  
**Remarks:**

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.28V I:0.2066A P:47.922W PF:0.9656 Freq:49.99Hz Lamp Flux:6138.26x1 lm		
NAME: S29695	TYPE:LED NCF	WEIGHT:
SPEC.:48W 4000K	DIM.: 1500x96x79mm	SERIAL No.:
MFR.:	SUR.:1500x96mm	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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.02	.97	.93	.99	.95	.92	.95	.91	.88	.90	.87	.85	.86	.84	.82	.80
2.0	.89	.81	.75	.86	.80	.74	.82	.77	.72	.79	.74	.70	.75	.71	.68	.66
3.0	.78	.69	.62	.76	.68	.62	.72	.66	.60	.69	.64	.59	.66	.61	.57	.55
4.0	.69	.60	.53	.67	.59	.52	.64	.57	.51	.61	.55	.50	.59	.54	.49	.47
5.0	.61	.52	.45	.60	.51	.45	.57	.50	.44	.55	.49	.43	.53	.47	.43	.40
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.39	.50	.43	.38	.48	.42	.37	.35
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.45	.39	.34	.44	.38	.33	.31
8.0	.46	.37	.31	.45	.37	.31	.43	.36	.30	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.33	.28	.41	.33	.28	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.24	.23



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.498m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:240.28V I:0.2066A P:47.922W PF:0.9656 Freq:49.99Hz Lamp Flux:6138.26x1 lm		
NAME: S29695	TYPE:LED NCF	WEIGHT:
SPEC.:48W 4000K	DIM.: 1500x96x79mm	SERIAL No.:
MFR.:	SUR.:1500x96mm	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	.332	.189	.060	.324	.185	.059	.309	.177	.057	.295	.170	.055	.282	.164	.053	
2.0	.303	.166	.051	.296	.163	.050	.283	.157	.049	.271	.152	.048	.260	.147	.046	
3.0	.277	.148	.044	.271	.145	.044	.259	.140	.043	.248	.136	.042	.238	.132	.041	
4.0	.254	.132	.039	.248	.130	.038	.238	.126	.038	.228	.122	.037	.219	.119	.036	
5.0	.233	.119	.034	.229	.117	.034	.219	.114	.034	.210	.111	.033	.202	.108	.032	
6.0	.216	.108	.031	.211	.107	.031	.203	.104	.030	.195	.101	.030	.188	.099	.029	
7.0	.200	.099	.028	.196	.098	.028	.189	.095	.027	.182	.093	.027	.175	.091	.027	
8.0	.187	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025	
9.0	.175	.085	.024	.172	.084	.023	.165	.082	.023	.160	.080	.023	.154	.078	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.021	.150	.075	.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	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.203	.178	.154	.174	.152	.133	.119	.105	.092	.069	.061	.053	.022	.020	.017	
2.0	.196	.154	.118	.167	.132	.102	.115	.091	.071	.066	.053	.042	.021	.017	.014	
3.0	.188	.136	.095	.161	.117	.082	.110	.082	.058	.064	.048	.034	.021	.015	.011	
4.0	.180	.123	.080	.154	.106	.069	.106	.074	.049	.061	.043	.029	.020	.014	.009	
5.0	.172	.113	.069	.148	.098	.060	.102	.068	.042	.059	.040	.025	.019	.013	.008	
6.0	.165	.104	.061	.142	.090	.053	.098	.063	.038	.057	.037	.022	.018	.012	.007	
7.0	.158	.098	.055	.136	.085	.048	.094	.059	.034	.055	.035	.020	.018	.011	.007	
8.0	.152	.092	.051	.130	.080	.044	.090	.056	.031	.053	.033	.019	.017	.011	.006	
9.0	.145	.087	.047	.125	.075	.041	.087	.053	.029	.051	.031	.017	.016	.010	.006	
10.0	.140	.083	.045	.120	.072	.039	.084	.050	.028	.049	.030	.016	.016	.010	.005	

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.498m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.28V I:0.2066A P:47.922W PF:0.9656 Freq:49.99Hz Lamp Flux:6138.26x1 lm										
NAME: S29695					TYPE:LED NCF			WEIGHT:		
SPEC.:48W 4000K					DIM.: 1500x96x79mm			SERIAL No.:		
MFR.:					SUR.:1500x96mm			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>22.9</b>	<b>24.4</b>	<b>23.2</b>	<b>24.7</b>	<b>24.9</b>	<b>22.2</b>	<b>23.7</b>	<b>22.5</b>	<b>24.0</b>	<b>24.3</b>
<b>3H</b>	<b>24.8</b>	<b>26.2</b>	<b>25.1</b>	<b>26.4</b>	<b>26.7</b>	<b>23.6</b>	<b>25.0</b>	<b>24.0</b>	<b>25.3</b>	<b>25.6</b>
<b>4H</b>	<b>25.7</b>	<b>27.0</b>	<b>26.1</b>	<b>27.3</b>	<b>27.6</b>	<b>24.2</b>	<b>25.5</b>	<b>24.5</b>	<b>25.8</b>	<b>26.1</b>
<b>6H</b>	<b>26.5</b>	<b>27.8</b>	<b>26.9</b>	<b>28.1</b>	<b>28.4</b>	<b>24.6</b>	<b>25.8</b>	<b>24.9</b>	<b>26.1</b>	<b>26.5</b>
<b>8H</b>	<b>26.8</b>	<b>28.0</b>	<b>27.2</b>	<b>28.4</b>	<b>28.7</b>	<b>24.7</b>	<b>25.9</b>	<b>25.0</b>	<b>26.2</b>	<b>26.6</b>
<b>12H</b>	<b>27.1</b>	<b>28.2</b>	<b>27.5</b>	<b>28.6</b>	<b>29.0</b>	<b>24.7</b>	<b>25.9</b>	<b>25.1</b>	<b>26.2</b>	<b>26.6</b>
<b>4H 2H</b>	<b>23.5</b>	<b>24.8</b>	<b>23.9</b>	<b>25.1</b>	<b>25.5</b>	<b>23.0</b>	<b>24.3</b>	<b>23.3</b>	<b>24.6</b>	<b>24.9</b>
<b>3H</b>	<b>25.6</b>	<b>26.7</b>	<b>26.0</b>	<b>27.1</b>	<b>27.5</b>	<b>24.6</b>	<b>25.8</b>	<b>25.0</b>	<b>26.1</b>	<b>26.5</b>
<b>4H</b>	<b>26.7</b>	<b>27.7</b>	<b>27.1</b>	<b>28.1</b>	<b>28.5</b>	<b>25.4</b>	<b>26.4</b>	<b>25.8</b>	<b>26.8</b>	<b>27.2</b>
<b>6H</b>	<b>27.7</b>	<b>28.6</b>	<b>28.1</b>	<b>29.0</b>	<b>29.4</b>	<b>25.9</b>	<b>26.8</b>	<b>26.3</b>	<b>27.2</b>	<b>27.7</b>
<b>8H</b>	<b>28.1</b>	<b>28.9</b>	<b>28.5</b>	<b>29.4</b>	<b>29.8</b>	<b>26.1</b>	<b>26.9</b>	<b>26.5</b>	<b>27.4</b>	<b>27.8</b>
<b>12H</b>	<b>28.4</b>	<b>29.2</b>	<b>28.9</b>	<b>29.7</b>	<b>30.1</b>	<b>26.2</b>	<b>27.0</b>	<b>26.6</b>	<b>27.4</b>	<b>27.9</b>
<b>8H 4H</b>	<b>27.0</b>	<b>27.9</b>	<b>27.5</b>	<b>28.3</b>	<b>28.8</b>	<b>25.9</b>	<b>26.8</b>	<b>26.3</b>	<b>27.2</b>	<b>27.6</b>
<b>6H</b>	<b>28.2</b>	<b>29.0</b>	<b>28.7</b>	<b>29.4</b>	<b>29.9</b>	<b>26.7</b>	<b>27.4</b>	<b>27.2</b>	<b>27.9</b>	<b>28.4</b>
<b>8H</b>	<b>28.8</b>	<b>29.4</b>	<b>29.3</b>	<b>29.9</b>	<b>30.4</b>	<b>27.0</b>	<b>27.7</b>	<b>27.5</b>	<b>28.1</b>	<b>28.6</b>
<b>12H</b>	<b>29.3</b>	<b>29.8</b>	<b>29.8</b>	<b>30.3</b>	<b>30.9</b>	<b>27.2</b>	<b>27.8</b>	<b>27.7</b>	<b>28.3</b>	<b>28.8</b>
<b>12H 4H</b>	<b>27.0</b>	<b>27.8</b>	<b>27.5</b>	<b>28.3</b>	<b>28.8</b>	<b>26.0</b>	<b>26.8</b>	<b>26.4</b>	<b>27.2</b>	<b>27.7</b>
<b>6H</b>	<b>28.3</b>	<b>29.0</b>	<b>28.8</b>	<b>29.5</b>	<b>30.0</b>	<b>26.9</b>	<b>27.6</b>	<b>27.4</b>	<b>28.0</b>	<b>28.5</b>
<b>8H</b>	<b>28.9</b>	<b>29.5</b>	<b>29.5</b>	<b>30.0</b>	<b>30.6</b>	<b>27.3</b>	<b>27.9</b>	<b>27.8</b>	<b>28.4</b>	<b>28.9</b>
<b>Variations with the observer position at spacings:</b>										
<b>S = 1.0H</b>	<b>+ 0.1 / - 0.1</b>					<b>+ 0.1 / - 0.2</b>				
<b>1.5H</b>	<b>+ 0.1 / - 0.2</b>					<b>+ 0.2 / - 0.3</b>				
<b>2.0H</b>	<b>+ 0.1 / - 0.2</b>					<b>+ 0.1 / - 0.4</b>				

CIE Pub.117, 6138 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 6.3)  
 Area: 0.1 m2

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.498m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.28V I:0.2066A P:47.922W PF:0.9656 Freq:49.99Hz Lamp Flux:6138.26x1 lm		
NAME: S29695	TYPE:LED NCF	WEIGHT:
SPEC.:48W 4000K	DIM.: 1500x96x79mm	SERIAL No.:
MFR.:	SUR.:1500x96mm	Shielding Angle:

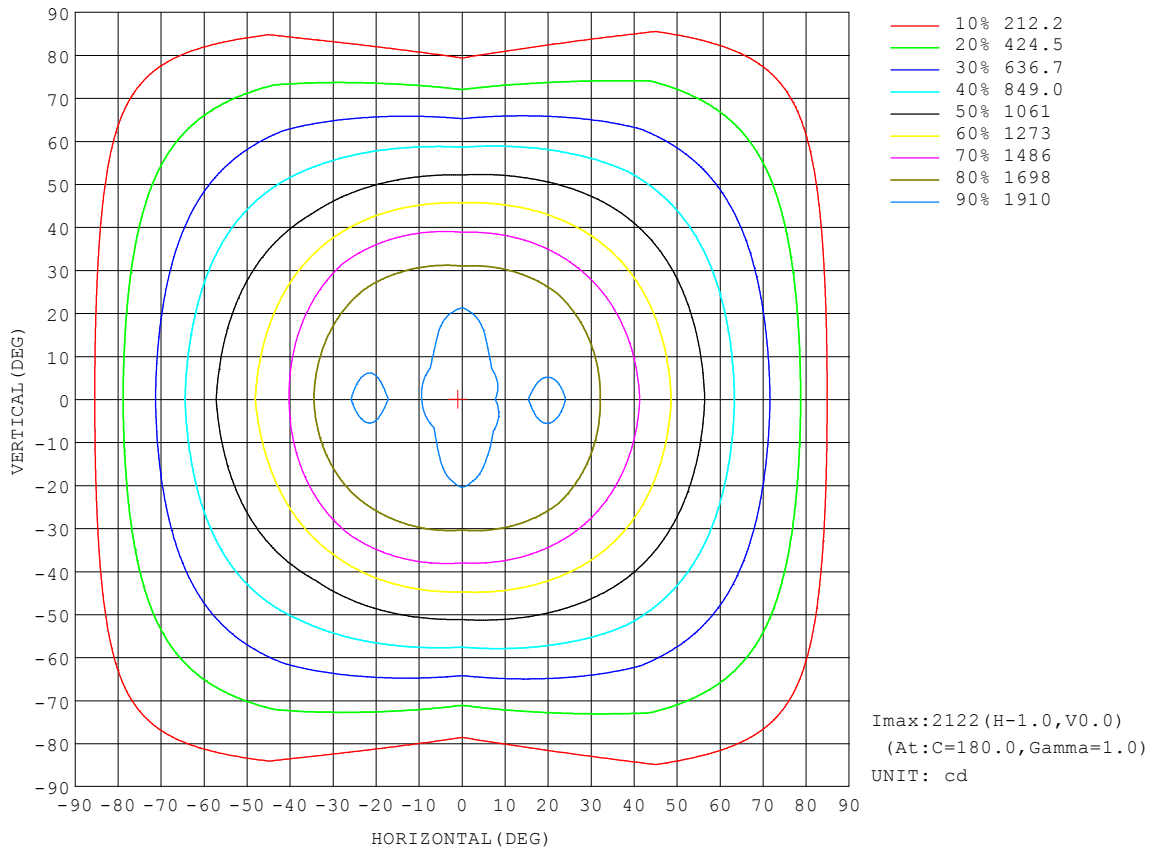
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	44	37	31
0.80	66	54	47	65	54	46	63	53	46	39
1.00	74	63	55	73	62	55	70	63	54	47
1.25	81	70	63	79	69	62	76	68	61	54
1.50	86	76	68	84	75	68	81	73	66	58
2.00	93	84	77	91	82	76	87	80	74	66
2.50	97	89	82	95	87	81	90	84	79	70
3.00	100	93	87	98	91	86	93	88	83	74
4.00	104	98	93	102	96	92	97	92	89	79
5.00	107	102	97	104	99	95	99	95	92	82
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.498m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:240.28V I:0.2066A P:47.922W PF:0.9656 Freq:49.99Hz Lamp Flux:6138.26x1 lm		
NAME: S29695	TYPE:LED NCF	WEIGHT:
SPEC.:48W 4000K	DIM.: 1500x96x79mm	SERIAL No.:
MFR.:	SUR.:1500x96mm	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2024-04-28**

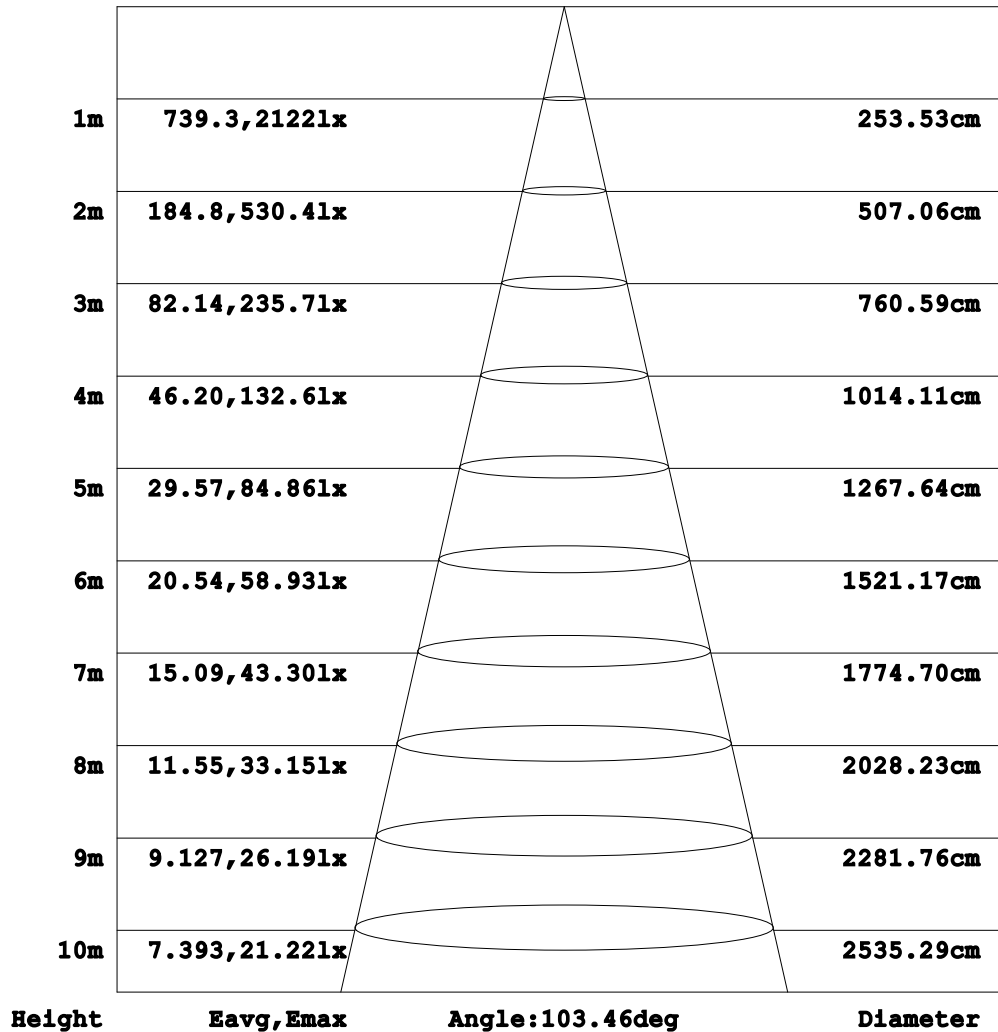
**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421**  
**Humidity:65.0%**  
**Test Distance:11.498m [K=1.0000]**  
**Remarks:**



**AAI Figure**

Test:U:240.28V I:0.2066A P:47.922W PF:0.9656 Freq:49.99Hz Lamp Flux:6138.26x1 lm		
NAME: S29695	TYPE:LED NCF	WEIGHT:
SPEC.:48W 4000K	DIM.: 1500x96x79mm	SERIAL No.:
MFR.:	SUR.:1500x96mm	Shielding Angle:

**Flux out:3805 lm**



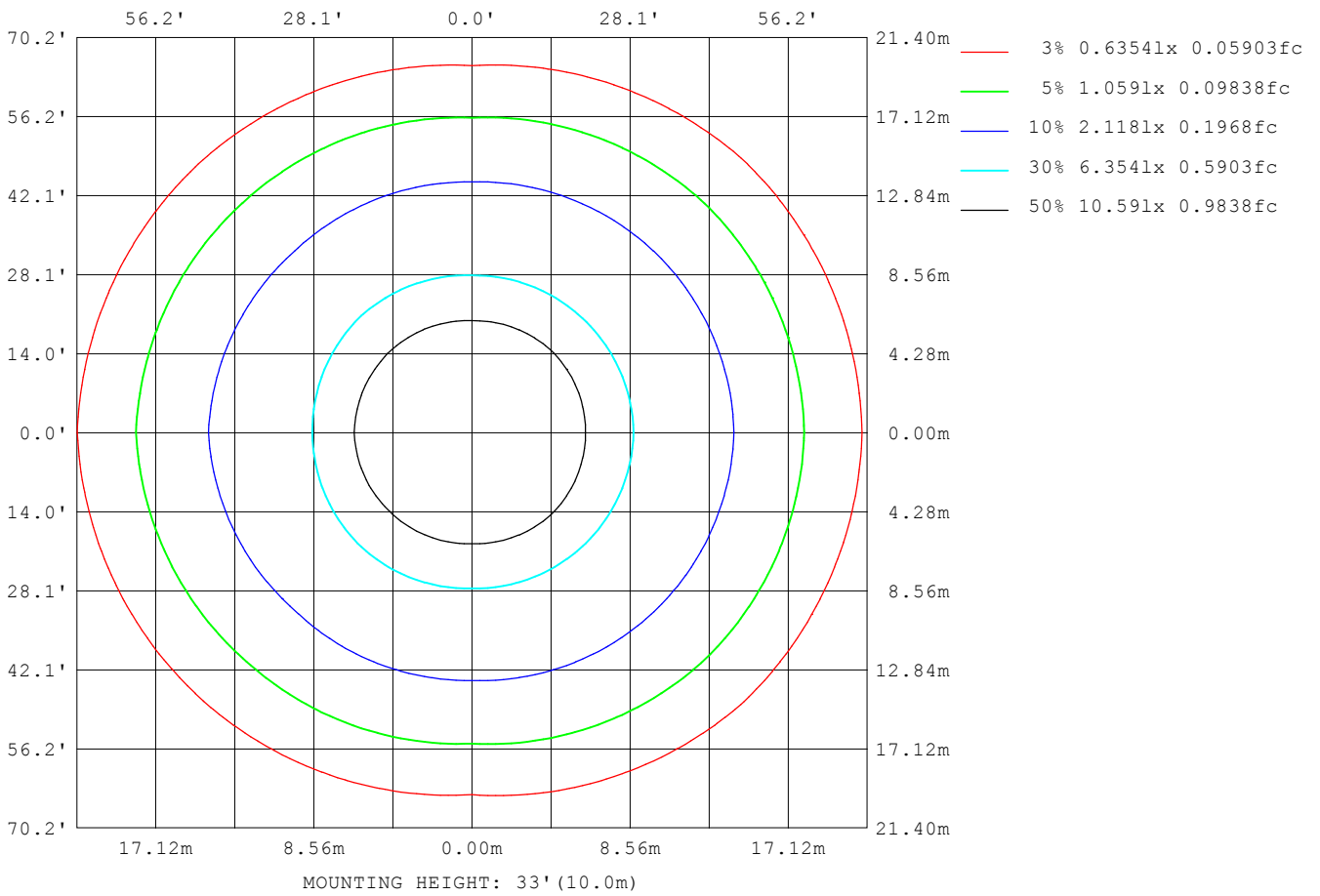
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-04-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity: 65.0%  
 Test Distance: 11.498m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:240.28V I:0.2066A P:47.922W PF:0.9656 Freq:49.99Hz Lamp Flux:6138.26x1 lm		
NAME: S29695	TYPE:LED NCF	WEIGHT:
SPEC.:48W 4000K	DIM.: 1500x96x79mm	SERIAL No.:
MFR.:	SUR.:1500x96mm	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 45.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2024-04-28**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421**  
**Humidity:65.0%**  
**Test Distance:11.498m [K=1.0000]**  
**Remarks:**

LED Avg.L Report

Test:U:240.28V I:0.2066A P:47.922W PF:0.9656 Freq:49.99Hz Lamp Flux:6138.26x1 lm		
NAME: S29695	TYPE:LED NCF	WEIGHT:
SPEC.:48W 4000K	DIM.: 1500x96x79mm	SERIAL No.:
MFR.:	SUR.:1500x96mm	Shielding Angle:

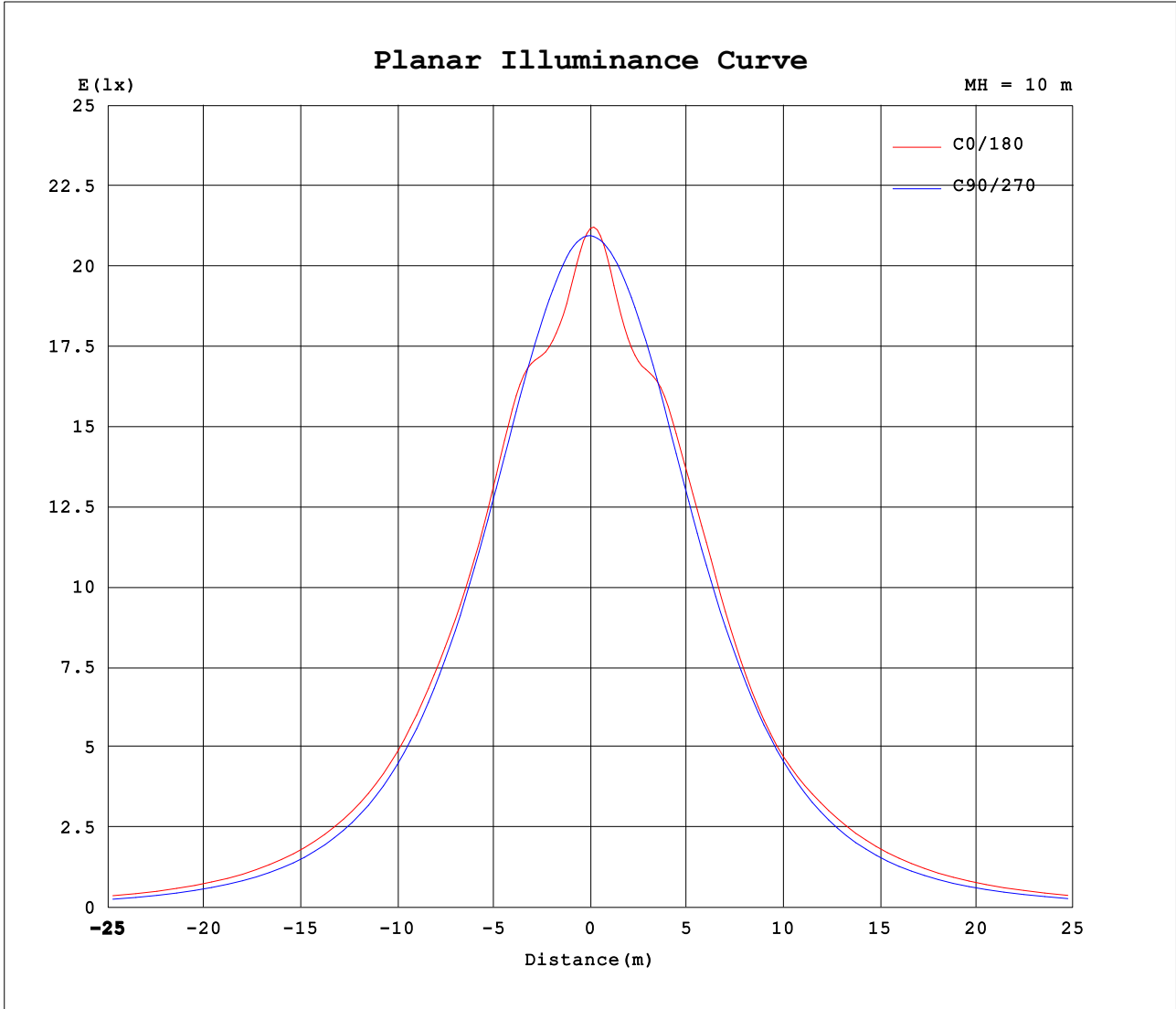
AvgL	cd/m2
L_0~180 (65) av	19295
L_0~180 (75) av	20905
L_0~180 (85) av	24806
L_90~270 (65) av	14859
L_90~270 (75) av	12455
L_90~270 (85) av	8645
L_45 (65) av	17812
L_45 (75) av	19117
L_45 (85) av	28117

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.498m [K=1.0000]  
 Remarks:

**Planar Illuminance Curve**



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.498m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.28V I:0.2066A P:47.922W PF:0.9656 Freq:49.99Hz Lamp Flux:6138.26x1 lm		
NAME: S29695	TYPE:LED NCF	WEIGHT:
SPEC.:48W 4000K	DIM.: 1500x96x79mm	SERIAL No.:
MFR.:	SUR.:1500x96mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315											
0	2118	2106	2095	2086	2118	2106	2095	2086											
5	1989	2043	2087	2023	2052	2050	2082	2031											
10	1876	1917	2046	1891	1895	1919	2049	1906											
15	1903	1827	1992	1806	1874	1826	2002	1813											
20	1967	1803	1919	1794	1955	1808	1934	1789											
25	1886	1810	1824	1808	1923	1827	1837	1804											
30	1749	1756	1708	1751	1833	1777	1721	1759											
35	1635	1627	1572	1643	1679	1668	1594	1632											
40	1521	1475	1425	1489	1494	1523	1450	1481											
45	1377	1321	1265	1295	1336	1336	1294	1335											
50	1236	1170	1101	1121	1237	1156	1131	1185											
55	1102	1025	934	982	1119	1012	967	1042											
60	951	889	771	859	981	885	804	900											
65	800	753	612	735	831	757	644	766											
70	675	620	459	610	676	630	486	637											
75	548	491	311	479	534	500	334	509											
80	376	368	176	353	388	369	195	390											
85	209	246	69.9	231	224	243	80.8	260											
90	104	138	21.3	131	115	137	22.5	143											
95	63.2	79.4	18.1	76.3	67.0	78.1	18.5	69.7											
100	50.2	52.5	16.0	50.8	49.8	51.9	15.8	49.4											
105	46.3	40.1	12.4	38.7	44.4	39.3	13.1	39.4											
110	40.5	32.5	8.77	31.5	39.3	31.5	8.25	32.0											
115	34.4	25.0	8.84	25.6	33.2	25.1	7.98	24.8											
120	29.6	18.7	9.20	20.1	28.2	19.3	8.12	18.3											
125	25.3	14.8	9.65	15.6	23.7	14.6	8.49	14.2											
130	21.1	13.3	10.2	13.2	19.4	12.1	9.01	12.2											
135	17.5	12.6	10.9	12.5	15.5	11.4	9.71	11.7											
140	15.7	12.3	11.6	12.5	13.3	11.3	10.5	11.3											
145	14.7	12.6	12.2	12.8	12.7	11.7	11.3	11.4											
150	13.9	13.0	12.7	13.0	12.6	12.1	12.0	11.9											
155	13.9	13.4	13.2	13.3	13.0	12.5	12.7	12.4											
160	14.2	13.9	13.7	13.6	13.4	13.0	13.3	12.9											
165	14.5	14.3	14.1	13.9	13.8	13.5	13.8	13.4											
170	14.9	14.6	14.4	14.2	14.4	13.9	14.2	13.9											
175	15.2	14.8	14.6	14.5	14.8	14.4	14.5	14.3											
180	15.0	14.8	14.7	14.6	15.0	14.7	14.8	14.5											

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-04-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.421  
 Humidity:65.0%  
 Test Distance:11.498m [K=1.0000]  
 Remarks: