

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P772611

Luminaire Tested: LD6D85BD010-EU6DR3070959024-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772611  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D85BD010-EU6DR3070959024-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7863.7 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')

CIE Type: Direct

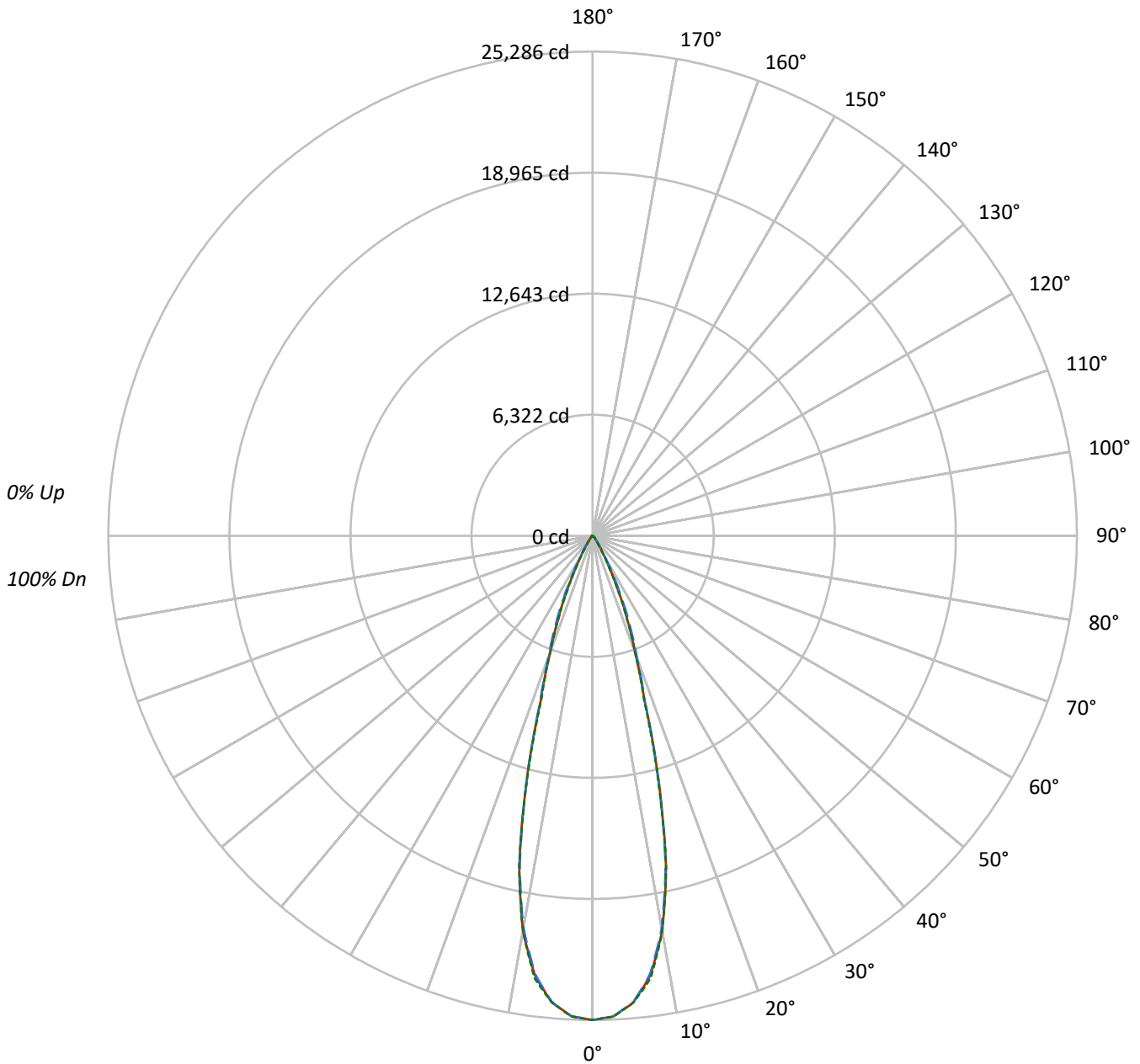
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1935461	1935461	1935461
5°	1879895	1877705	1879995
10°	1628275	1616796	1627895
15°	1062371	1056665	1051348
20°	528265	548083	527557
25°	266105	300073	260649
30°	106539	116093	92830
35°	49422	47328	39676
40°	21333	23691	20094
45°	15047	18684	15187
50°	5180	13599	5466
55°	2976	5632	3149
60°	2097	2465	2097
65°	1340	1340	1340
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 18684 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2223.5	28.3
10°-20°	3581.0	45.5
20°-30°	1547.4	19.7
30°-40°	352.7	4.5
40°-50°	121.1	1.5
50°-60°	29.6	0.4
60°-70°	7.7	0.1
70°-80°	0.8	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7351.9	93.5
0°-40°	7704.6	98.0
0°-60°	7855.3	99.9
0°-90°	7863.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7863.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	25286	25286	25286	25286	25286	
5°	24466	24443	24438	24489	24468	2225
15°	13406	13245	13334	13291	13267	3590
25°	3151	3270	3553	3187	3086	1508
35°	529	540	506	503	425	359
45°	139	173	173	173	140	99
55°	22	24	42	25	24	22
65°	7	7	7	7	7	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	25285.8	25285.8	25285.8	25285.8	25285.8
2.5°	25118.2	25100.8	25110.8	25123.2	25128.1
5°	24466.4	24442.9	24437.9	24488.8	24467.7
7.5°	23151.8	23118.2	23067.3	23182.8	23290.8
10°	20949.4	20912.2	20801.7	20856.3	20944.5
12.5°	17698.1	17577.7	17575.2	17749.0	17725.4
15°	13406.4	13245.0	13334.4	13290.9	13267.3
17.5°	9015.4	8953.3	9072.5	9036.5	8881.3
20°	6485.3	6501.5	6728.6	6614.4	6476.6
22.5°	4732.4	4790.7	5060.1	4765.9	4657.9
25°	3150.8	3270.0	3553.0	3186.8	3086.2
27.5°	1937.9	1992.5	2279.3	1913.1	1858.4
30°	1205.4	1178.1	1313.5	1127.2	1050.3
32.5°	790.8	756.0	799.5	717.6	655.5
35°	528.9	540.0	506.5	502.8	424.6
37.5°	330.2	379.9	335.2	357.5	273.1
40°	213.5	275.6	237.1	261.9	201.1
42.5°	175.0	212.3	194.9	207.3	178.8
45°	139.0	172.6	172.6	172.6	140.3
47.5°	77.0	115.5	147.7	117.9	81.9
50°	43.5	58.3	114.2	60.8	45.9
52.5°	29.8	33.5	78.2	34.8	31.0
55°	22.3	23.6	42.2	24.8	23.6
57.5°	17.4	18.6	22.3	18.6	17.4
60°	13.7	13.7	16.1	14.9	13.7
62.5°	9.9	9.9	11.2	9.9	9.9
65°	7.4	7.4	7.4	7.4	7.4
67.5°	3.7	5.0	5.0	5.0	5.0
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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