

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: P772650

Luminaire Tested: LD6D85BD010-EU6DR3070959035-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772650  
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-EU6DR3070959035-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9273.8 lumens  
Efficiency: N/A  
Efficacy: 105.7 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

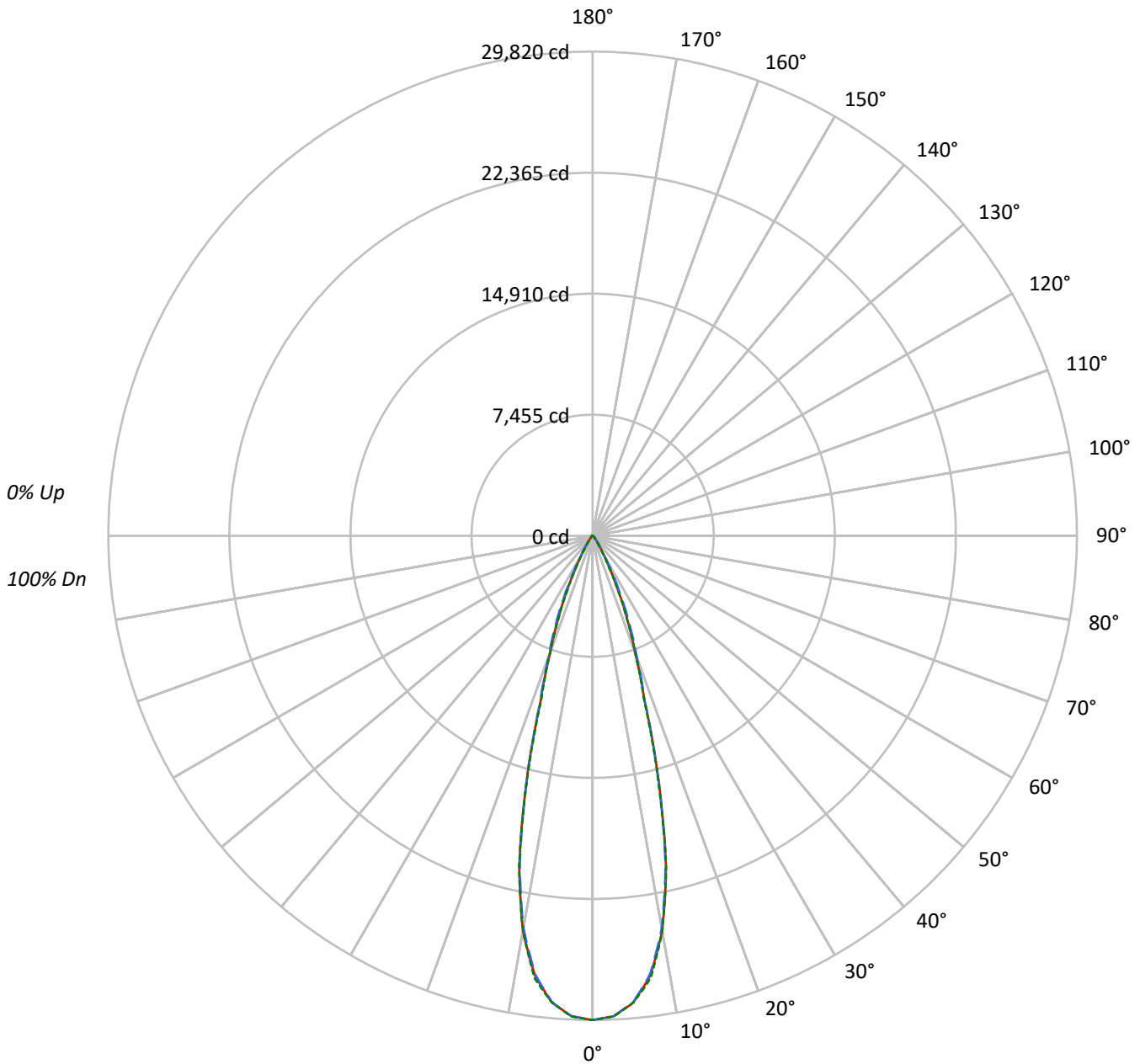
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	2282501	2282501	2282501
5°	2216973	2214384	2217089
10°	1920239	1906691	1919780
15°	1252856	1246129	1239861
20°	622990	646360	622151
25°	313814	353880	307387
30°	125648	136908	109473
35°	58280	55813	46787
40°	25160	27938	23701
45°	17753	22029	17904
50°	6097	16040	6454
55°	3523	6646	3710
60°	2465	2909	2465
65°	1594	1594	1594
70°	985	649	985
75°	0	444	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 22029 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2622.2	28.3
10°-20°	4223.1	45.5
20°-30°	1824.9	19.7
30°-40°	415.9	4.5
40°-50°	142.8	1.5
50°-60°	34.9	0.4
60°-70°	9.1	0.1
70°-80°	1.0	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°	8670.1	93.5
0°-40°	9086.1	98.0
0°-60°	9263.8	99.9
0°-90°	9273.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9273.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	29820	29820	29820	29820	29820	
5°	28853	28826	28820	28880	28855	2624
15°	15810	15620	15725	15674	15646	4233
25°	3716	3856	4190	3758	3640	1779
35°	624	637	597	593	501	423
45°	164	204	204	204	165	116
55°	26	28	50	29	28	26
65°	9	9	9	9	9	9
75°	0	0	2	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°	29819.7	29819.7	29819.7	29819.7	29819.7
2.5°	29622.0	29601.5	29613.2	29627.9	29633.7
5°	28853.4	28825.6	28819.7	28879.8	28854.9
7.5°	27303.0	27263.4	27203.4	27339.6	27466.9
10°	24705.8	24661.8	24531.5	24596.0	24699.9
12.5°	20871.4	20729.4	20726.5	20931.5	20903.6
15°	15810.2	15619.9	15725.3	15674.1	15646.2
17.5°	10631.9	10558.7	10699.2	10656.8	10473.8
20°	7648.2	7667.2	7935.1	7800.4	7637.9
22.5°	5580.9	5649.7	5967.4	5620.5	5493.1
25°	3715.7	3856.3	4190.1	3758.2	3639.6
27.5°	2285.4	2349.8	2688.0	2256.1	2191.7
30°	1421.6	1389.4	1549.0	1329.4	1238.6
32.5°	932.6	891.6	942.8	846.2	773.0
35°	623.7	636.9	597.3	592.9	500.7
37.5°	389.4	448.0	395.3	421.6	322.1
40°	251.8	325.0	279.6	308.9	237.2
42.5°	206.4	250.4	229.9	244.5	210.8
45°	164.0	203.5	203.5	203.5	165.4
47.5°	90.8	136.2	174.2	139.1	96.6
50°	51.2	68.8	134.7	71.7	54.2
52.5°	35.1	39.5	92.2	41.0	36.6
55°	26.4	27.8	49.8	29.3	27.8
57.5°	20.5	22.0	26.4	22.0	20.5
60°	16.1	16.1	19.0	17.6	16.1
62.5°	11.7	11.7	13.2	11.7	11.7
65°	8.8	8.8	8.8	8.8	8.8
67.5°	4.4	5.9	5.9	5.9	5.9
70°	4.4	2.9	2.9	2.9	4.4
72.5°	2.9	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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