

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: P772663

Luminaire Tested: LD6D85BD010-EU6DR3070959040-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772663  
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-EU6DR3070959040-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9707.3 lumens  
Efficiency: N/A  
Efficacy: 110.7 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

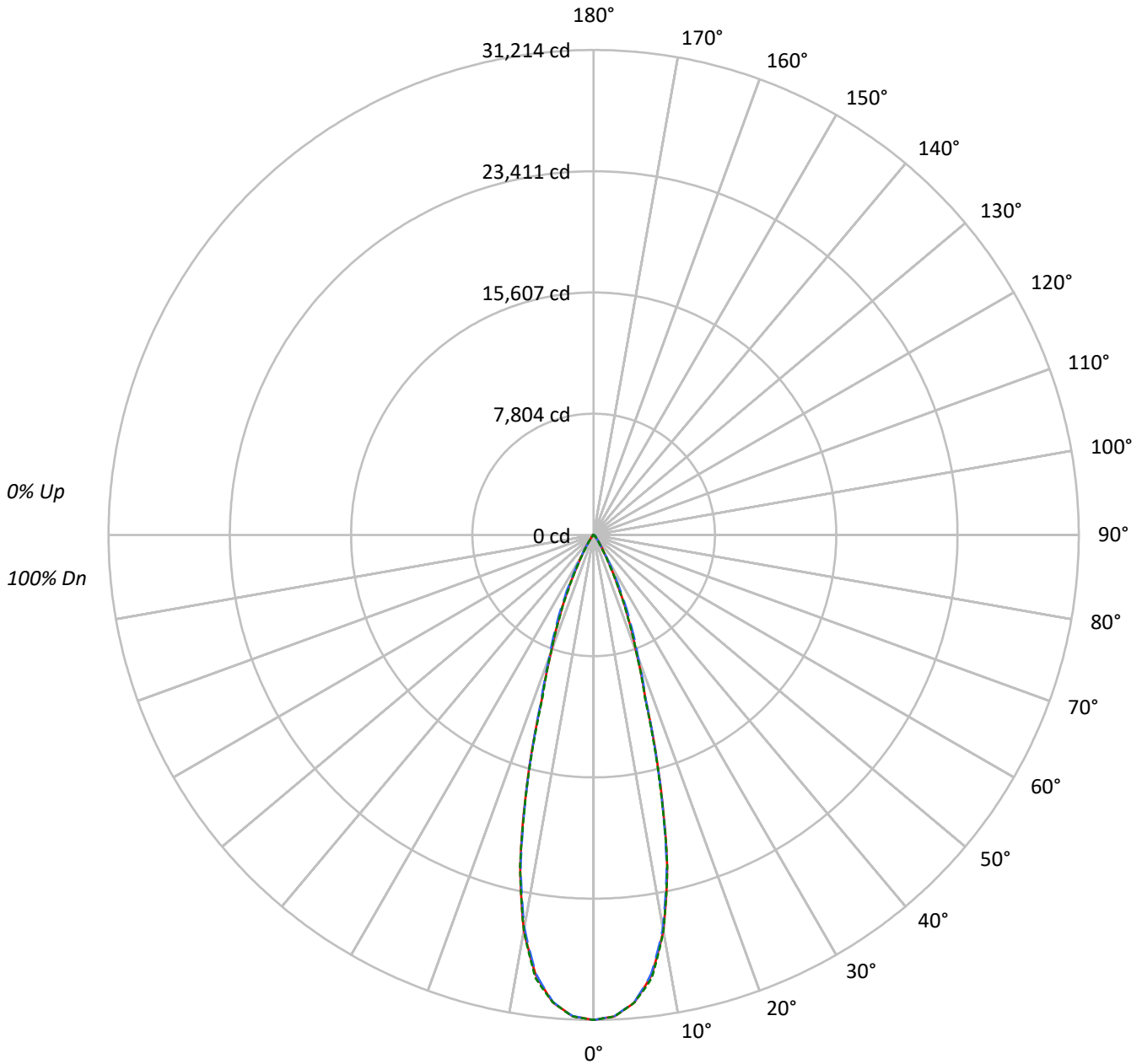
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	2389210	2389210	2389210
5°	2320625	2317913	2320740
10°	2010010	1995833	2009536
15°	1311433	1304389	1297827
20°	652111	676580	651239
25°	328493	370425	321762
30°	131516	143307	114591
35°	60999	58429	48973
40°	26339	29247	24810
45°	18575	23057	18749
50°	6383	16790	6752
55°	3683	6953	3883
60°	2587	3046	2587
65°	1666	1666	1666
70°	1029	694	1029
75°	0	444	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 23057 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2744.8	28.3
10°-20°	4420.5	45.5
20°-30°	1910.2	19.7
30°-40°	435.4	4.5
40°-50°	149.5	1.5
50°-60°	36.5	0.4
60°-70°	9.5	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°	9075.5	93.5
0°-40°	9510.9	98.0
0°-60°	9696.9	99.9
0°-90°	9707.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9707.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	31214	31214	31214	31214	31214	
5°	30202	30173	30167	30230	30204	2747
15°	16549	16350	16460	16407	16378	4431
25°	3890	4037	4386	3934	3810	1862
35°	653	667	625	621	524	443
45°	172	213	213	213	173	122
55°	28	29	52	31	29	27
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°	31213.8	31213.8	31213.8	31213.8	31213.8
2.5°	31006.9	30985.5	30997.7	31013.0	31019.2
5°	30202.4	30173.2	30167.1	30229.9	30203.9
7.5°	28579.4	28538.1	28475.2	28617.8	28751.1
10°	25860.8	25814.8	25678.4	25745.9	25854.7
12.5°	21847.2	21698.6	21695.5	21910.0	21880.9
15°	16549.4	16350.2	16460.5	16406.9	16377.7
17.5°	11129.0	11052.3	11199.5	11155.0	10963.4
20°	8005.7	8025.7	8306.1	8165.1	7995.0
22.5°	5841.9	5913.9	6246.4	5883.2	5749.9
25°	3889.5	4036.6	4386.0	3933.9	3809.8
27.5°	2392.2	2459.6	2813.7	2361.6	2294.1
30°	1488.0	1454.3	1621.4	1391.5	1296.5
32.5°	976.2	933.3	986.9	885.8	809.2
35°	652.8	666.6	625.3	620.7	524.1
37.5°	407.6	468.9	413.8	441.4	337.1
40°	263.6	340.2	292.7	323.4	248.3
42.5°	216.1	262.1	240.6	255.9	220.7
45°	171.6	213.0	213.0	213.0	173.2
47.5°	95.0	142.5	182.4	145.6	101.1
50°	53.6	72.0	141.0	75.1	56.7
52.5°	36.8	41.4	96.5	42.9	38.3
55°	27.6	29.1	52.1	30.6	29.1
57.5°	21.5	23.0	27.6	23.0	21.5
60°	16.9	16.9	19.9	18.4	16.9
62.5°	12.3	12.3	13.8	12.3	12.3
65°	9.2	9.2	9.2	9.2	9.2
67.5°	4.6	6.1	6.1	6.1	6.1
70°	4.6	3.1	3.1	3.1	4.6
72.5°	3.1	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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