

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



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: P770281

Luminaire Tested: LD6D70BD010-EU6DR3070959024-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770281  
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: LD6D70BD010-EU6DR3070959024-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

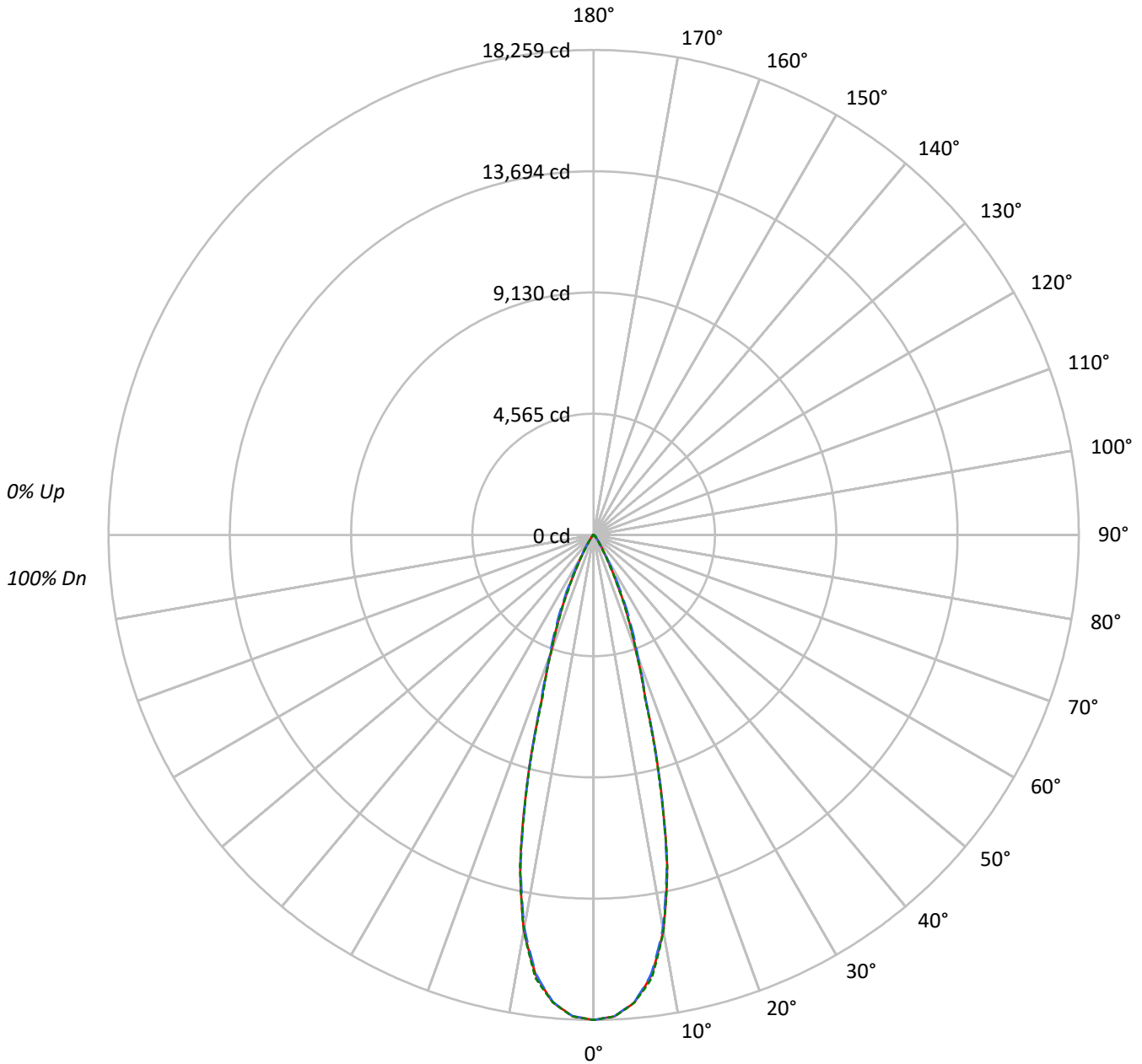
Lumens per Lamp: N/A  
Luminaire Lumens: 5678.6 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 66.6  
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	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°	1397629	1397629	1397629
5°	1357511	1355921	1357581
10°	1175812	1167519	1175532
15°	767157	763036	759201
20°	381474	395785	380961
25°	192155	216690	188219
30°	76939	83833	67031
35°	35686	34181	28649
40°	15408	17106	14508
45°	10868	13488	10966
50°	3739	9824	3953
55°	2149	4070	2269
60°	1516	1791	1516
65°	978	978	978
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 13488 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1605.6	28.3
10°-20°	2585.9	45.5
20°-30°	1117.4	19.7
30°-40°	254.7	4.5
40°-50°	87.4	1.5
50°-60°	21.4	0.4
60°-70°	5.6	0.1
70°-80°	0.6	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°	5308.9	93.5
0°-40°	5563.6	98.0
0°-60°	5672.4	99.9
0°-90°	5678.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5678.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18259	18259	18259	18259	18259	
5°	17668	17651	17647	17684	17669	1607
15°	9681	9564	9629	9598	9581	2592
25°	2275	2361	2566	2301	2229	1089
35°	382	390	366	363	307	259
45°	100	125	125	125	101	71
55°	16	17	30	18	17	16
65°	5	5	5	5	5	5
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°	18259.3	18259.3	18259.3	18259.3	18259.3
2.5°	18138.3	18125.8	18132.9	18141.9	18145.5
5°	17667.7	17650.6	17647.0	17683.8	17668.6
7.5°	16718.3	16694.1	16657.3	16740.7	16818.7
10°	15128.0	15101.1	15021.3	15060.7	15124.4
12.5°	12780.1	12693.1	12691.3	12816.9	12799.8
15°	9681.0	9564.5	9629.0	9597.6	9580.6
17.5°	6510.2	6465.4	6551.4	6525.4	6413.4
20°	4683.2	4694.8	4858.9	4776.4	4676.9
22.5°	3417.3	3459.5	3654.0	3441.6	3363.6
25°	2275.2	2361.3	2565.7	2301.2	2228.6
27.5°	1399.4	1438.8	1645.9	1381.5	1342.0
30°	870.5	850.8	948.5	814.0	758.4
32.5°	571.1	546.0	577.3	518.2	473.3
35°	381.9	390.0	365.8	363.1	306.6
37.5°	238.5	274.3	242.0	258.2	197.2
40°	154.2	199.0	171.2	189.2	145.2
42.5°	126.4	153.3	140.7	149.7	129.1
45°	100.4	124.6	124.6	124.6	101.3
47.5°	55.6	83.4	106.7	85.2	59.2
50°	31.4	42.1	82.5	43.9	33.2
52.5°	21.5	24.2	56.5	25.1	22.4
55°	16.1	17.0	30.5	17.9	17.0
57.5°	12.6	13.4	16.1	13.4	12.6
60°	9.9	9.9	11.7	10.8	9.9
62.5°	7.2	7.2	8.1	7.2	7.2
65°	5.4	5.4	5.4	5.4	5.4
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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

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Scaled Data Report



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Scaled Data Report







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

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