

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: P771118

Luminaire Tested: LD6D75BD010-EU6DR3070959050-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771118  
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: LD6D75BD010-EU6DR3070959050-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8875.3 lumens  
Efficiency: N/A  
Efficacy: 122.6 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

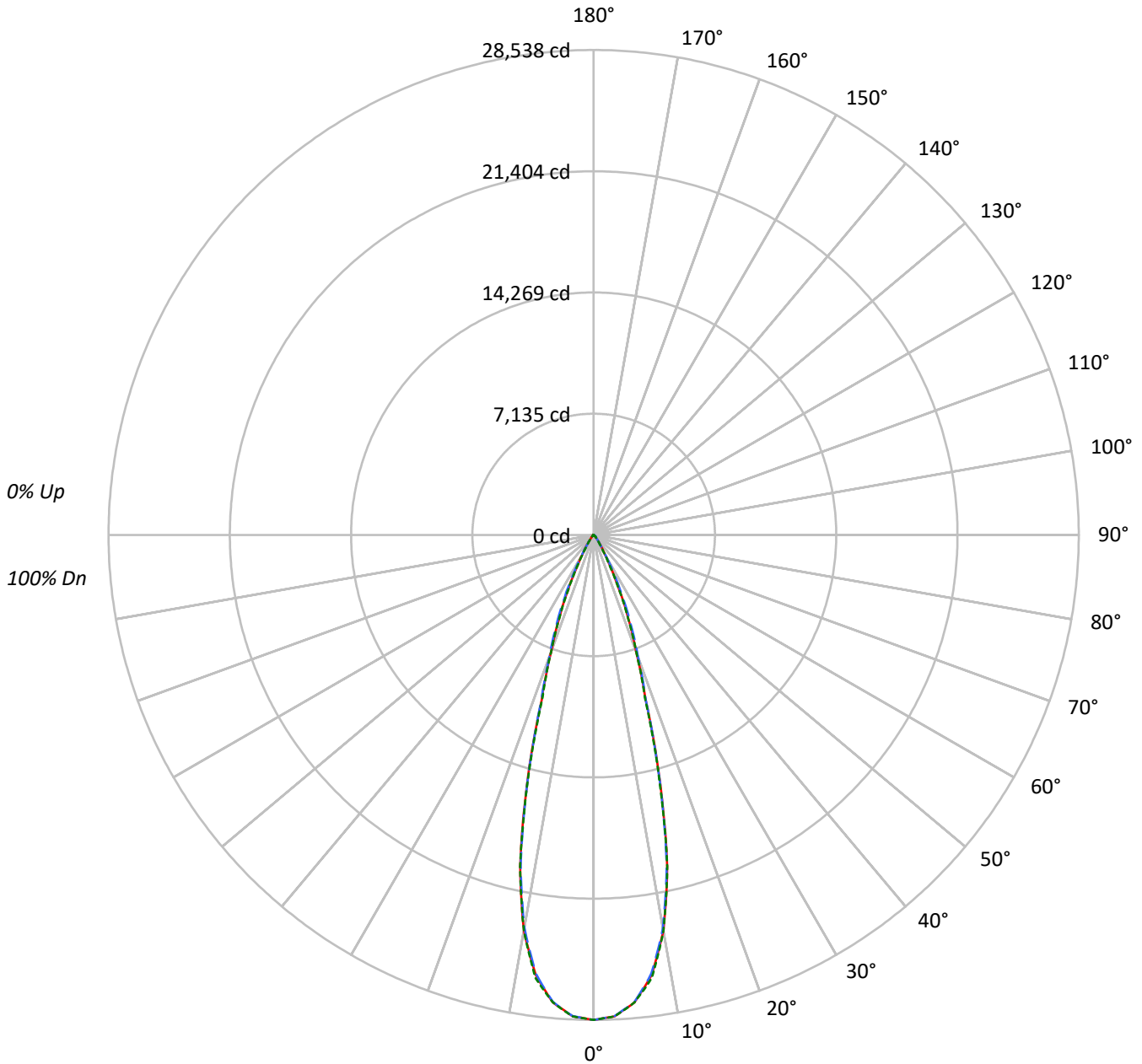
Input Watts (W): 72.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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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°	2184434	2184434	2184434
5°	2121720	2119246	2121828
10°	1837734	1824770	1837299
15°	1199026	1192592	1186593
20°	596224	618591	595425
25°	300335	338678	294178
30°	120247	131021	104771
35°	55776	53421	44778
40°	24081	26739	22682
45°	16984	21087	17136
50°	5835	15349	6168
55°	3363	6352	3550
60°	2358	2786	2358
65°	1521	1521	1521
70°	940	627	940
75°	0	414	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 21087 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2509.5	28.3
10°-20°	4041.6	45.5
20°-30°	1746.5	19.7
30°-40°	398.1	4.5
40°-50°	136.7	1.5
50°-60°	33.4	0.4
60°-70°	8.6	0.1
70°-80°	0.9	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°	8297.6	93.5
0°-40°	8695.7	98.0
0°-60°	8865.7	99.9
0°-90°	8875.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8875.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	28538	28538	28538	28538	28538	
5°	27614	27587	27582	27639	27615	2512
15°	15131	14949	15050	15001	14974	4052
25°	3556	3691	4010	3597	3483	1702
35°	597	610	572	568	479	405
45°	157	195	195	195	158	111
55°	25	27	48	28	27	25
65°	8	8	8	8	8	8
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°	28538.5	28538.5	28538.5	28538.5	28538.5
2.5°	28349.3	28329.7	28340.9	28354.9	28360.5
5°	27613.7	27587.1	27581.5	27638.9	27615.1
7.5°	26129.9	26092.1	26034.6	26164.9	26286.8
10°	23644.3	23602.2	23477.5	23539.2	23638.7
12.5°	19974.7	19838.8	19836.0	20032.1	20005.5
15°	15130.9	14948.8	15049.7	15000.6	14974.0
17.5°	10175.1	10105.0	10239.5	10198.9	10023.8
20°	7319.6	7337.8	7594.2	7465.3	7309.8
22.5°	5341.2	5407.0	5711.1	5379.0	5257.1
25°	3556.1	3690.6	4010.1	3596.7	3483.2
27.5°	2187.2	2248.8	2572.5	2159.2	2097.5
30°	1360.5	1329.7	1482.4	1272.2	1185.4
32.5°	892.5	853.3	902.3	809.9	739.8
35°	596.9	609.5	571.7	567.5	479.2
37.5°	372.7	428.7	378.3	403.5	308.3
40°	241.0	311.1	267.6	295.6	227.0
42.5°	197.6	239.6	220.0	234.0	201.8
45°	156.9	194.8	194.8	194.8	158.3
47.5°	86.9	130.3	166.7	133.1	92.5
50°	49.0	65.9	128.9	68.7	51.8
52.5°	33.6	37.8	88.3	39.2	35.0
55°	25.2	26.6	47.6	28.0	26.6
57.5°	19.6	21.0	25.2	21.0	19.6
60°	15.4	15.4	18.2	16.8	15.4
62.5°	11.2	11.2	12.6	11.2	11.2
65°	8.4	8.4	8.4	8.4	8.4
67.5°	4.2	5.6	5.6	5.6	5.6
70°	4.2	2.8	2.8	2.8	4.2
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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