

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: P767964

Luminaire Tested: LD6D55D010-EU6DR3055659030-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767964  
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: LD6D55D010-EU6DR3055659030-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7027.6 lumens  
Efficiency: N/A  
Efficacy: 120.7 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

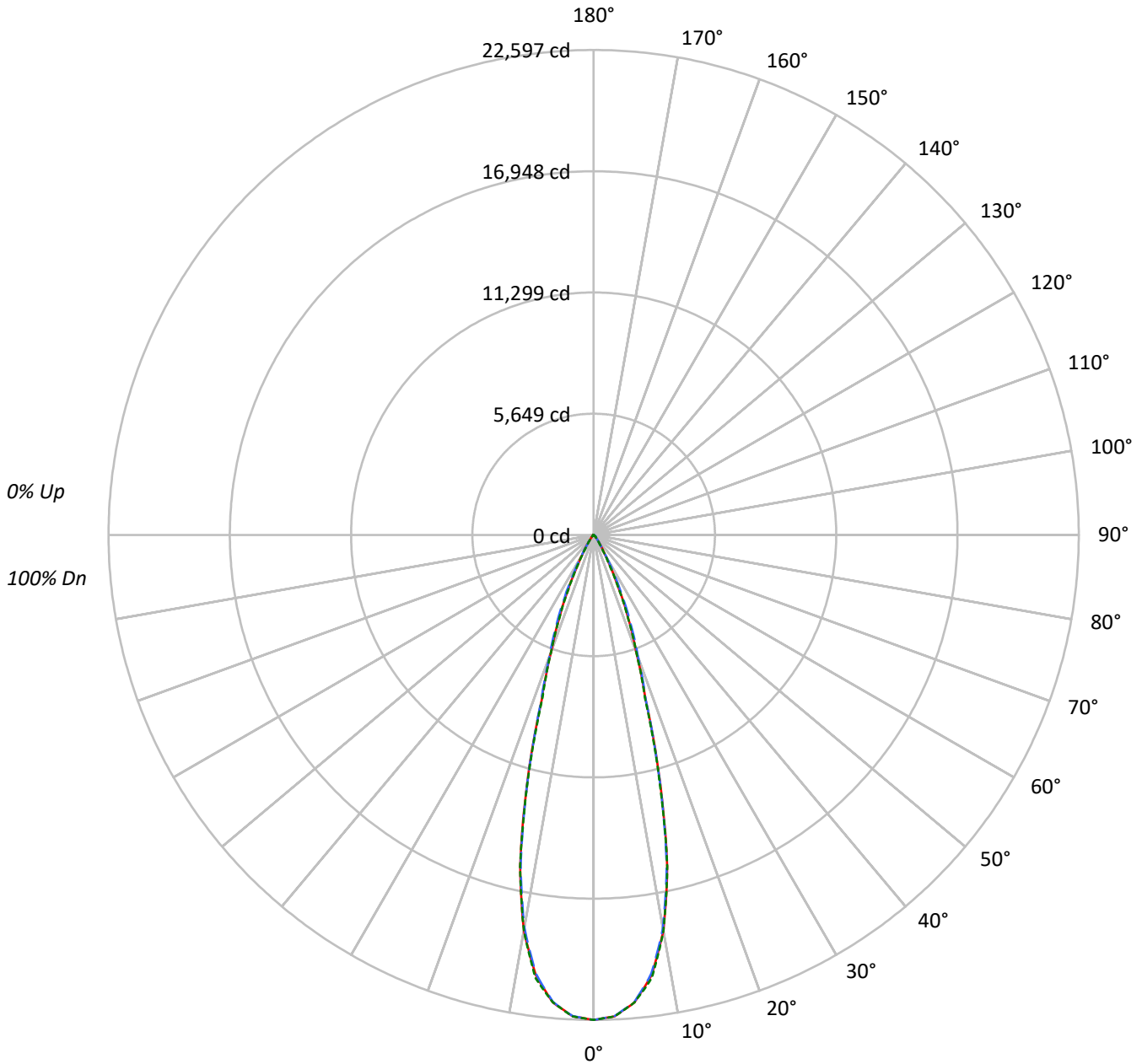
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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°	1729659	1729659	1729659
5°	1680007	1678047	1680091
10°	1455137	1444877	1454795
15°	949409	944306	939559
20°	472093	489810	471466
25°	237812	268166	232939
30°	95217	103746	82958
35°	44161	42301	35452
40°	19065	21173	17956
45°	13455	16692	13574
50°	4620	12158	4882
55°	2669	5031	2816
60°	1868	2204	1868
65°	1213	1213	1213
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 16692 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1987.1	28.3
10°-20°	3200.2	45.5
20°-30°	1382.9	19.7
30°-40°	315.2	4.5
40°-50°	108.2	1.5
50°-60°	26.4	0.4
60°-70°	6.9	0.1
70°-80°	0.7	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°	6570.2	93.5
0°-40°	6885.4	98.0
0°-60°	7020.0	99.9
0°-90°	7027.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7027.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	22597	22597	22597	22597	22597	
5°	21865	21844	21839	21885	21866	1989
15°	11981	11837	11916	11878	11857	3208
25°	2816	2922	3175	2848	2758	1348
35°	473	483	453	449	379	321
45°	124	154	154	154	125	88
55°	20	21	38	22	21	19
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°	22597.1	22597.1	22597.1	22597.1	22597.1
2.5°	22447.3	22431.8	22440.7	22451.8	22456.2
5°	21864.9	21843.8	21839.4	21884.9	21866.0
7.5°	20690.0	20660.0	20614.5	20717.7	20814.2
10°	18721.8	18688.6	18589.8	18638.6	18717.4
12.5°	15816.2	15708.6	15706.4	15861.7	15840.6
15°	11980.9	11836.6	11916.5	11877.7	11856.6
17.5°	8056.8	8001.3	8107.8	8075.6	7936.9
20°	5795.7	5810.1	6013.2	5911.1	5788.0
22.5°	4229.2	4281.3	4522.1	4259.1	4162.6
25°	2815.8	2922.3	3175.2	2847.9	2758.1
27.5°	1731.8	1780.7	2036.9	1709.7	1660.8
30°	1077.3	1052.9	1173.8	1007.4	938.6
32.5°	706.7	675.7	714.5	641.3	585.8
35°	472.6	482.6	452.7	449.3	379.4
37.5°	295.1	339.5	299.5	319.5	244.1
40°	190.8	246.3	211.9	234.1	179.7
42.5°	156.4	189.7	174.2	185.3	159.8
45°	124.3	154.2	154.2	154.2	125.4
47.5°	68.8	103.2	132.0	105.4	73.2
50°	38.8	52.1	102.1	54.4	41.0
52.5°	26.6	30.0	69.9	31.1	27.7
55°	20.0	21.1	37.7	22.2	21.1
57.5°	15.5	16.6	20.0	16.6	15.5
60°	12.2	12.2	14.4	13.3	12.2
62.5°	8.9	8.9	10.0	8.9	8.9
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.3	4.4	4.4	4.4	4.4
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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







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

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(END OF REPORT)