

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: P767950

Luminaire Tested: LD6D55D010-EU6DR3055659027-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767950  
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-EU6DR3055659027-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6496.6 lumens  
Efficiency: N/A  
Efficacy: 111.6 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

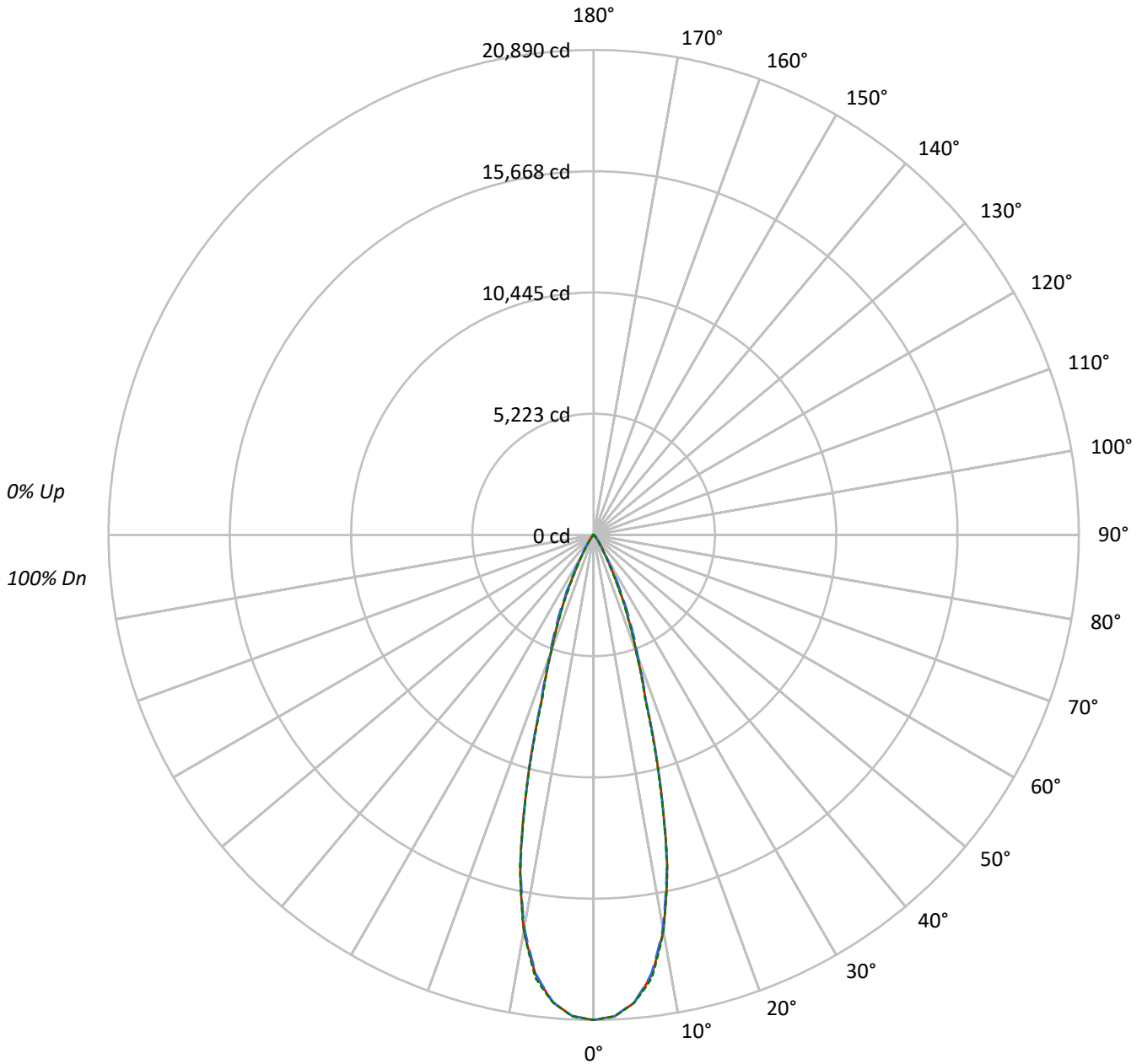
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1598976	1598976	1598976
5°	1553074	1551261	1553151
10°	1345196	1335706	1344877
15°	877670	872963	868573
20°	436424	452796	435837
25°	219840	247905	215338
30°	88022	95906	76691
35°	40825	39106	32780
40°	17626	19574	16607
45°	12438	15436	12546
50°	4275	11241	4513
55°	2469	4657	2602
60°	1730	2036	1730
65°	1123	1123	1123
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 15436 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1836.9	28.3
10°-20°	2958.4	45.5
20°-30°	1278.4	19.7
30°-40°	291.4	4.5
40°-50°	100.1	1.5
50°-60°	24.4	0.4
60°-70°	6.3	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°	6073.8	93.5
0°-40°	6365.1	98.0
0°-60°	6489.6	99.9
0°-90°	6496.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6496.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20890	20890	20890	20890	20890	
5°	20213	20193	20189	20231	20214	1838
15°	11076	10942	11016	10980	10961	2966
25°	2603	2702	2935	2633	2550	1246
35°	437	446	418	415	351	296
45°	115	143	143	143	116	82
55°	18	20	35	20	20	18
65°	6	6	6	6	6	6
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°	20889.8	20889.8	20889.8	20889.8	20889.8
2.5°	20751.3	20737.0	20745.2	20755.4	20759.5
5°	20212.9	20193.4	20189.3	20231.3	20213.9
7.5°	19126.7	19099.1	19057.0	19152.4	19241.6
10°	17307.3	17276.5	17185.2	17230.4	17303.2
12.5°	14621.2	14521.7	14519.7	14663.3	14643.8
15°	11075.6	10942.3	11016.2	10980.3	10960.8
17.5°	7448.0	7396.8	7495.2	7465.5	7337.3
20°	5357.8	5371.2	5558.8	5464.5	5350.6
22.5°	3909.7	3957.9	4180.4	3937.3	3848.1
25°	2603.0	2701.5	2935.3	2632.8	2549.7
27.5°	1601.0	1646.1	1883.0	1580.5	1535.3
30°	995.9	973.3	1085.1	931.3	867.7
32.5°	653.3	624.6	660.5	592.8	541.5
35°	436.9	446.1	418.5	415.4	350.8
37.5°	272.8	313.8	276.9	295.4	225.6
40°	176.4	227.7	195.9	216.4	166.2
42.5°	144.6	175.4	161.0	171.3	147.7
45°	114.9	142.6	142.6	142.6	115.9
47.5°	63.6	95.4	122.0	97.4	67.7
50°	35.9	48.2	94.4	50.3	37.9
52.5°	24.6	27.7	64.6	28.7	25.6
55°	18.5	19.5	34.9	20.5	19.5
57.5°	14.4	15.4	18.5	15.4	14.4
60°	11.3	11.3	13.3	12.3	11.3
62.5°	8.2	8.2	9.2	8.2	8.2
65°	6.2	6.2	6.2	6.2	6.2
67.5°	3.1	4.1	4.1	4.1	4.1
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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)