

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: P767963

Luminaire Tested: LD6D55D010-EU6DR3055659030-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767963  
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-EU6DR3055659030-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-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: 6692.9 lumens  
Efficiency: N/A  
Efficacy: 115.0 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

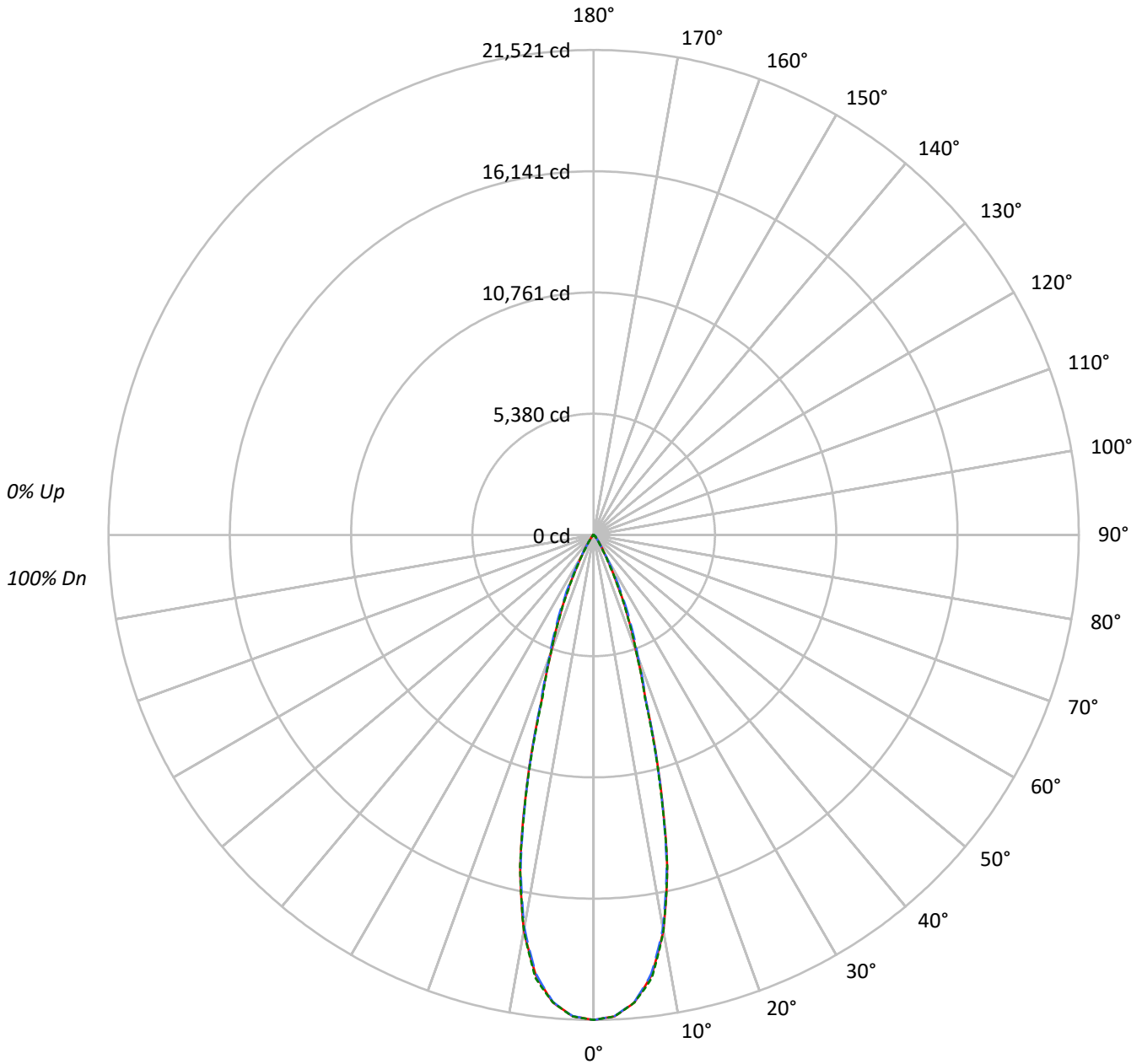
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1647298	1647298	1647298
5°	1600005	1598138	1600090
10°	1385846	1376076	1385519
15°	904193	899343	894818
20°	449611	466481	449009
25°	226486	255396	221841
30°	90683	98805	79007
35°	42058	40283	33770
40°	18156	20164	17106
45°	12806	15902	12925
50°	4406	11575	4656
55°	2536	4791	2682
60°	1776	2097	1776
65°	1141	1141	1141
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 15902 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1892.5	28.3
10°-20°	3047.8	45.5
20°-30°	1317.0	19.7
30°-40°	300.2	4.5
40°-50°	103.1	1.5
50°-60°	25.2	0.4
60°-70°	6.5	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°	6257.3	93.5
0°-40°	6557.5	98.0
0°-60°	6685.7	99.9
0°-90°	6692.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6692.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21521	21521	21521	21521	21521	
5°	20824	20804	20799	20843	20825	1894
15°	11410	11273	11349	11312	11292	3055
25°	2682	2783	3024	2712	2627	1284
35°	450	460	431	428	361	305
45°	118	147	147	147	119	84
55°	19	20	36	21	20	19
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°	21521.1	21521.1	21521.1	21521.1	21521.1
2.5°	21378.4	21363.6	21372.1	21382.6	21386.9
5°	20823.7	20803.6	20799.4	20842.7	20824.8
7.5°	19704.7	19676.2	19632.9	19731.2	19823.1
10°	17830.3	17798.6	17704.6	17751.1	17826.1
12.5°	15063.1	14960.6	14958.4	15106.4	15086.3
15°	11410.3	11273.0	11349.1	11312.1	11292.0
17.5°	7673.1	7620.3	7721.7	7691.1	7559.0
20°	5519.7	5533.5	5726.8	5629.6	5512.3
22.5°	4027.8	4077.5	4306.7	4056.3	3964.4
25°	2681.7	2783.1	3024.0	2712.3	2626.7
27.5°	1649.4	1695.9	1939.9	1628.2	1581.7
30°	1026.0	1002.7	1117.9	959.4	893.9
32.5°	673.1	643.5	680.5	610.7	557.9
35°	450.1	459.6	431.1	427.9	361.4
37.5°	281.1	323.3	285.3	304.3	232.5
40°	181.7	234.6	201.8	222.9	171.2
42.5°	149.0	180.7	165.9	176.5	152.2
45°	118.3	146.9	146.9	146.9	119.4
47.5°	65.5	98.3	125.7	100.4	69.7
50°	37.0	49.7	97.2	51.8	39.1
52.5°	25.4	28.5	66.6	29.6	26.4
55°	19.0	20.1	35.9	21.1	20.1
57.5°	14.8	15.8	19.0	15.8	14.8
60°	11.6	11.6	13.7	12.7	11.6
62.5°	8.5	8.5	9.5	8.5	8.5
65°	6.3	6.3	6.3	6.3	6.3
67.5°	3.2	4.2	4.2	4.2	4.2
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	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

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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(END OF REPORT)