

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: P768002

Luminaire Tested: LD6D55D010-EU6DR3055659050-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768002  
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-EU6DR3055659050-6LBS1H  
Description: 6 INCH ROUND SHALLOW 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: 7130.2 lumens  
Efficiency: N/A  
Efficacy: 122.5 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

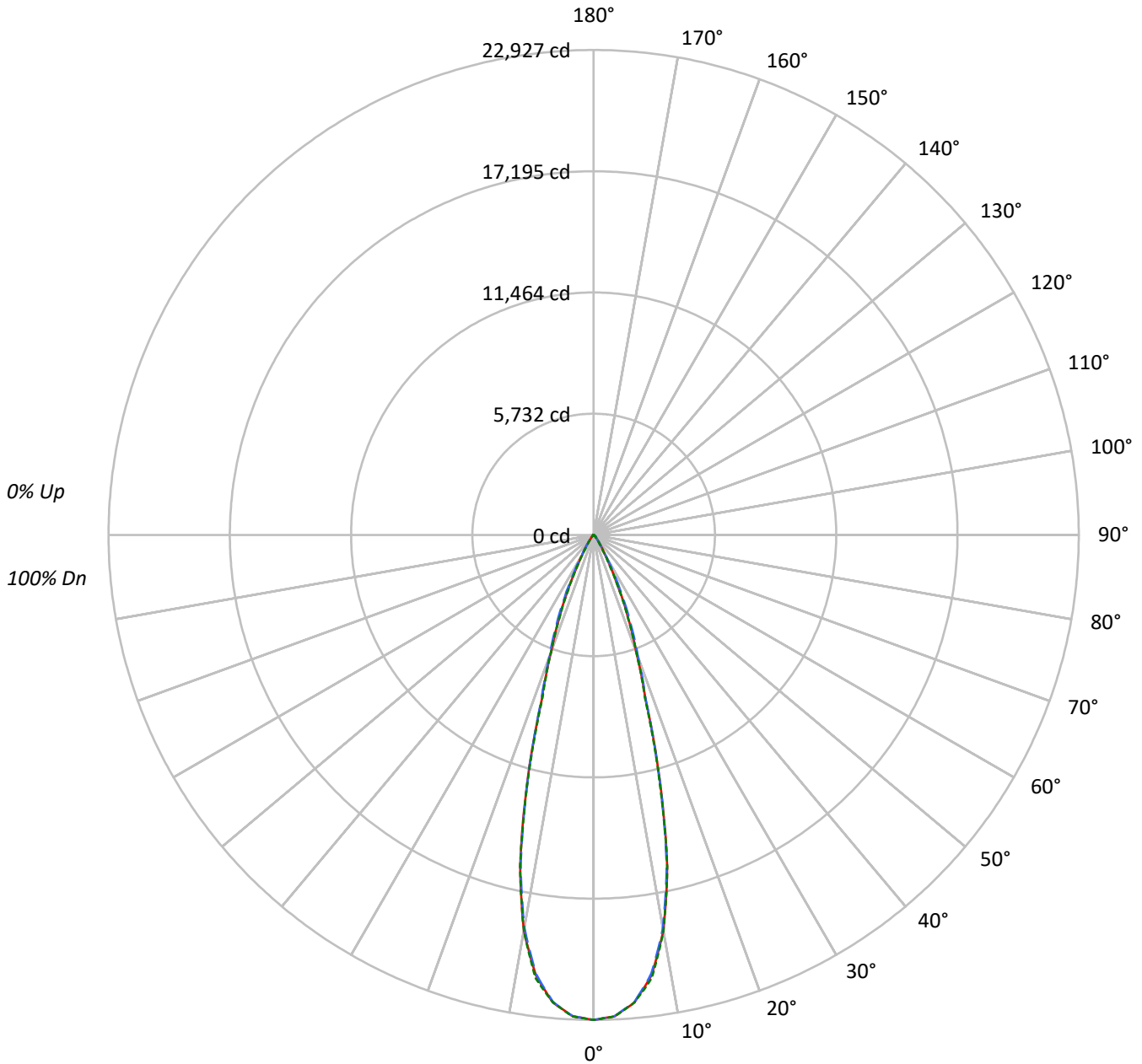
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1754918	1754918	1754918
5°	1704540	1702550	1704625
10°	1476387	1465979	1476037
15°	963269	958094	953284
20°	478993	496962	478349
25°	241283	272084	236334
30°	96604	105257	84169
35°	44806	42918	35975
40°	19345	21483	18225
45°	13650	16941	13769
50°	4692	12337	4954
55°	2709	5111	2856
60°	1898	2235	1898
65°	1232	1232	1232
70°	761	515	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 16941 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2016.1	28.3
10°-20°	3246.9	45.5
20°-30°	1403.1	19.7
30°-40°	319.8	4.5
40°-50°	109.8	1.5
50°-60°	26.8	0.4
60°-70°	7.0	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°	6666.1	93.5
0°-40°	6985.9	98.0
0°-60°	7122.5	99.9
0°-90°	7130.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7130.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	22927	22927	22927	22927	22927	
5°	22184	22163	22158	22204	22185	2018
15°	12156	12010	12090	12051	12030	3255
25°	2857	2965	3222	2890	2798	1368
35°	480	490	459	456	385	325
45°	126	156	156	156	127	89
55°	20	21	38	22	21	20
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°	22927.1	22927.1	22927.1	22927.1	22927.1
2.5°	22775.1	22759.4	22768.4	22779.6	22784.2
5°	22184.2	22162.8	22158.3	22204.4	22185.3
7.5°	20992.1	20961.7	20915.6	21020.3	21118.2
10°	18995.2	18961.5	18861.3	18910.8	18990.7
12.5°	16047.2	15938.0	15935.7	16093.3	16071.9
15°	12155.8	12009.5	12090.5	12051.1	12029.8
17.5°	8174.4	8118.1	8226.2	8193.6	8052.9
20°	5880.4	5895.0	6101.0	5997.4	5872.5
22.5°	4291.0	4343.9	4588.1	4321.3	4223.4
25°	2856.9	2964.9	3221.6	2889.5	2798.3
27.5°	1757.1	1806.7	2066.7	1734.6	1685.1
30°	1093.0	1068.2	1190.9	1022.1	952.3
32.5°	717.0	685.5	724.9	650.6	594.3
35°	479.5	489.7	459.3	455.9	385.0
37.5°	299.4	344.4	303.9	324.2	247.6
40°	193.6	249.9	215.0	237.5	182.4
42.5°	158.7	192.5	176.7	188.0	162.1
45°	126.1	156.5	156.5	156.5	127.2
47.5°	69.8	104.7	134.0	106.9	74.3
50°	39.4	52.9	103.6	55.2	41.6
52.5°	27.0	30.4	70.9	31.5	28.1
55°	20.3	21.4	38.3	22.5	21.4
57.5°	15.8	16.9	20.3	16.9	15.8
60°	12.4	12.4	14.6	13.5	12.4
62.5°	9.0	9.0	10.1	9.0	9.0
65°	6.8	6.8	6.8	6.8	6.8
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.3	2.3	2.3	3.4
72.5°	2.3	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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