

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: P767938

Luminaire Tested: LD6D55D010-EU6DR3055659024-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767938  
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-EU6DR3055659024-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6021.9 lumens  
Efficiency: N/A  
Efficacy: 103.5 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

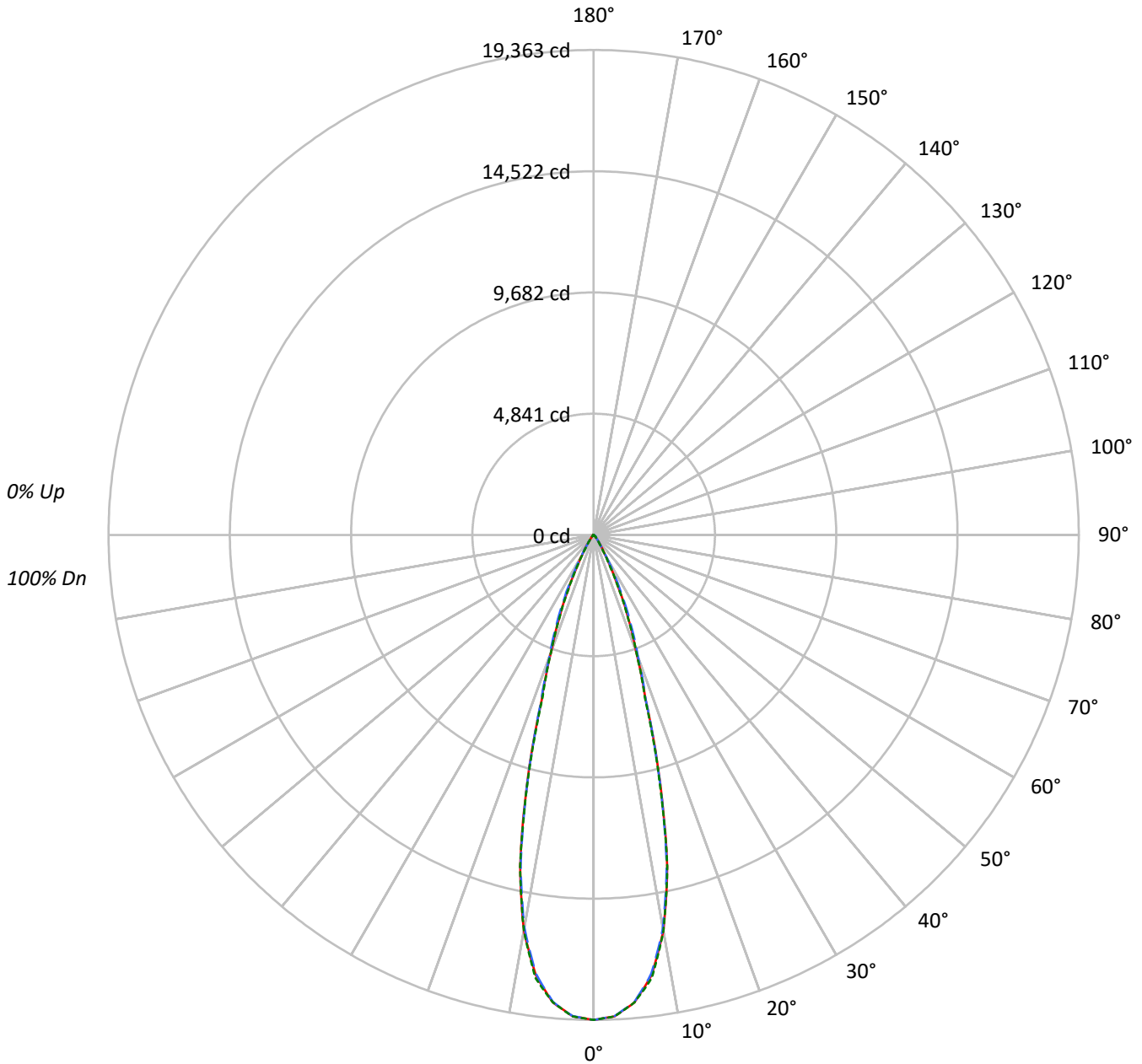
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1482125	1482125	1482125
5°	1439580	1437897	1439649
10°	1246890	1238100	1246595
15°	813538	809164	805099
20°	404534	419709	403988
25°	203776	229789	199604
30°	81588	88897	71088
35°	37844	36246	30378
40°	16337	18146	15388
45°	11528	14300	11626
50°	3965	10420	4192
55°	2282	4310	2415
60°	1607	1898	1607
65°	1032	1032	1032
70°	649	425	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 14300 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1702.7	28.3
10°-20°	2742.2	45.5
20°-30°	1185.0	19.7
30°-40°	270.1	4.5
40°-50°	92.7	1.5
50°-60°	22.7	0.4
60°-70°	5.9	0.1
70°-80°	0.6	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°	5629.9	93.5
0°-40°	5900.0	98.0
0°-60°	6015.4	99.9
0°-90°	6021.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6021.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19363	19363	19363	19363	19363	
5°	18736	18718	18714	18753	18737	1704
15°	10266	10143	10211	10178	10160	2749
25°	2413	2504	2721	2440	2363	1155
35°	405	414	388	385	325	275
45°	106	132	132	132	107	76
55°	17	18	32	19	18	17
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°	19363.2	19363.2	19363.2	19363.2	19363.2
2.5°	19234.9	19221.6	19229.2	19238.7	19242.5
5°	18735.8	18717.7	18713.9	18752.9	18736.7
7.5°	17729.0	17703.4	17664.4	17752.8	17835.5
10°	16042.5	16014.0	15929.4	15971.2	16038.7
12.5°	13552.7	13460.5	13458.6	13591.7	13573.6
15°	10266.3	10142.7	10211.1	10177.9	10159.8
17.5°	6903.8	6856.2	6947.5	6919.9	6801.1
20°	4966.3	4978.7	5152.6	5065.2	4959.6
22.5°	3623.9	3668.6	3874.9	3649.6	3566.9
25°	2412.8	2504.1	2720.8	2440.4	2363.4
27.5°	1484.0	1525.8	1745.4	1465.0	1423.2
30°	923.1	902.2	1005.8	863.2	804.3
32.5°	605.6	579.0	612.2	549.5	502.0
35°	405.0	413.5	387.9	385.0	325.1
37.5°	252.9	290.9	256.7	273.8	209.1
40°	163.5	211.0	181.6	200.6	154.0
42.5°	134.0	162.6	149.3	158.8	136.9
45°	106.5	132.1	132.1	132.1	107.4
47.5°	58.9	88.4	113.1	90.3	62.7
50°	33.3	44.7	87.5	46.6	35.2
52.5°	22.8	25.7	59.9	26.6	23.8
55°	17.1	18.1	32.3	19.0	18.1
57.5°	13.3	14.3	17.1	14.3	13.3
60°	10.5	10.5	12.4	11.4	10.5
62.5°	7.6	7.6	8.6	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.9	3.8	3.8	3.8	3.8
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	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

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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