

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: P769510

Luminaire Tested: LD6D65D010-EU6DR3055659027-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769510  
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: LD6D65D010-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: 7901.1 lumens  
Efficiency: N/A  
Efficacy: 108.5 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

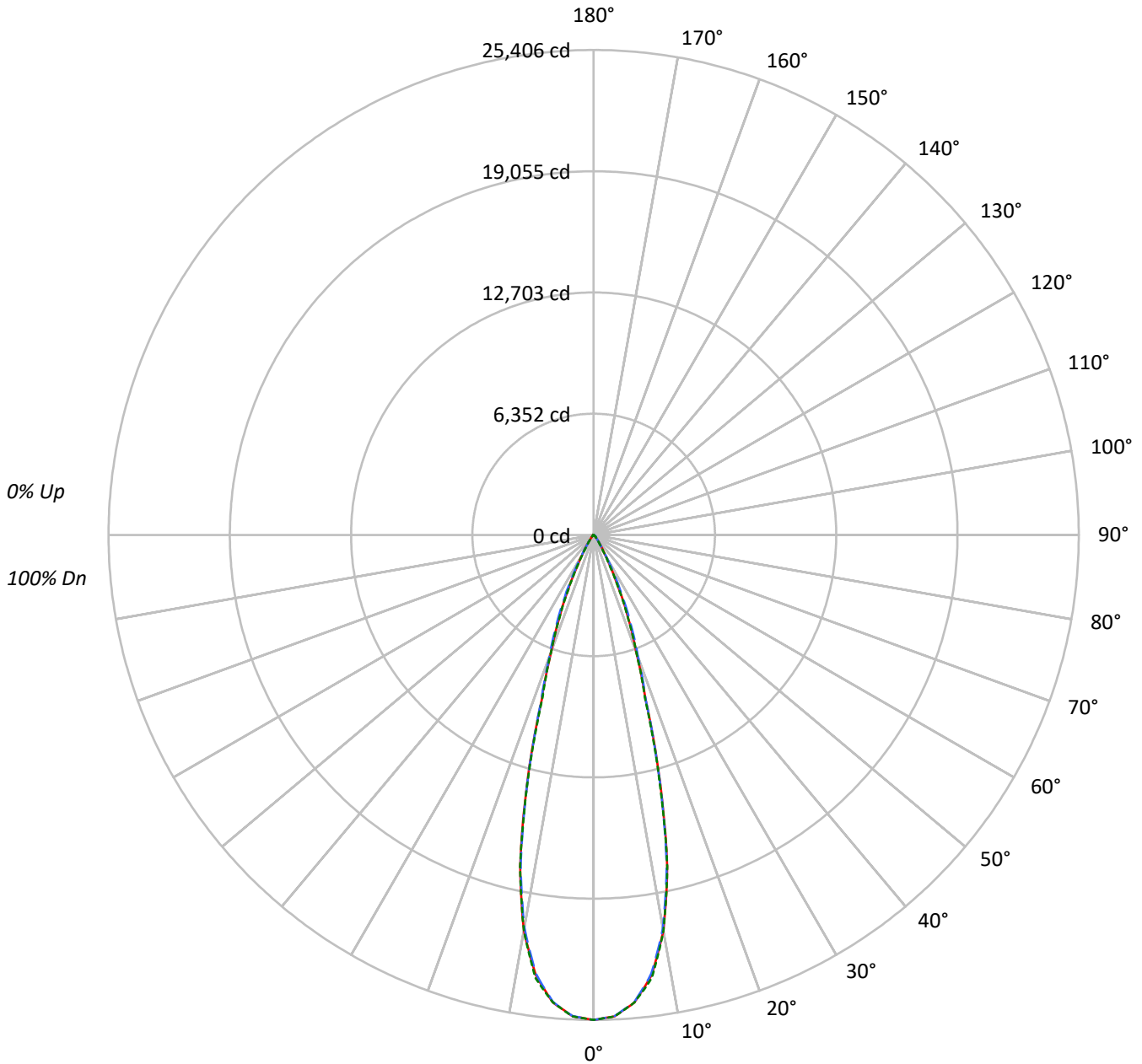
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1944646	1944646	1944646
5°	1888823	1886618	1888915
10°	1636009	1624467	1635620
15°	1067411	1061681	1056340
20°	530774	550690	530065
25°	267363	301501	261891
30°	107052	116641	93264
35°	49655	47553	39862
40°	21433	23801	20194
45°	15122	18770	15252
50°	5204	13670	5502
55°	3003	5658	3163
60°	2097	2480	2097
65°	1358	1358	1358
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 18770 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2234.1	28.3
10°-20°	3598.0	45.5
20°-30°	1554.8	19.7
30°-40°	354.4	4.5
40°-50°	121.7	1.5
50°-60°	29.7	0.4
60°-70°	7.7	0.1
70°-80°	0.8	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°	7386.8	93.5
0°-40°	7741.2	98.0
0°-60°	7892.6	99.9
0°-90°	7901.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7901.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	25406	25406	25406	25406	25406	
5°	24583	24559	24554	24605	24584	2236
15°	13470	13308	13398	13354	13330	3607
25°	3166	3286	3570	3202	3101	1515
35°	531	543	509	505	427	360
45°	140	173	173	173	141	99
55°	22	24	42	25	24	22
65°	8	8	8	8	8	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°	25405.8	25405.8	25405.8	25405.8	25405.8
2.5°	25237.4	25220.0	25229.9	25242.4	25247.4
5°	24582.6	24558.9	24553.9	24605.0	24583.8
7.5°	23261.6	23228.0	23176.8	23292.8	23401.3
10°	21048.9	21011.4	20900.4	20955.3	21043.9
12.5°	17782.1	17661.1	17658.6	17833.2	17809.5
15°	13470.0	13307.9	13397.7	13354.0	13330.3
17.5°	9058.2	8995.8	9115.6	9079.4	8923.5
20°	6516.1	6532.3	6760.6	6645.8	6507.4
22.5°	4754.9	4813.5	5084.2	4788.5	4680.0
25°	3165.7	3285.5	3569.9	3201.9	3100.9
27.5°	1947.1	2002.0	2290.1	1922.2	1867.3
30°	1211.2	1183.7	1319.7	1132.6	1055.2
32.5°	794.6	759.6	803.3	721.0	658.6
35°	531.4	542.6	508.9	505.2	426.6
37.5°	331.8	381.7	336.8	359.2	274.4
40°	214.5	276.9	238.2	263.2	202.1
42.5°	175.9	213.3	195.8	208.3	179.6
45°	139.7	173.4	173.4	173.4	140.9
47.5°	77.3	116.0	148.4	118.5	82.3
50°	43.7	58.6	114.8	61.1	46.2
52.5°	29.9	33.7	78.6	34.9	31.2
55°	22.5	23.7	42.4	24.9	23.7
57.5°	17.5	18.7	22.5	18.7	17.5
60°	13.7	13.7	16.2	15.0	13.7
62.5°	10.0	10.0	11.2	10.0	10.0
65°	7.5	7.5	7.5	7.5	7.5
67.5°	3.7	5.0	5.0	5.0	5.0
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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