

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: P769518

Luminaire Tested: LD6D65D010-EU6DR3055659030-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769518  
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-EU6DR3055659030-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6225.7 lumens  
Efficiency: N/A  
Efficacy: 85.5 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

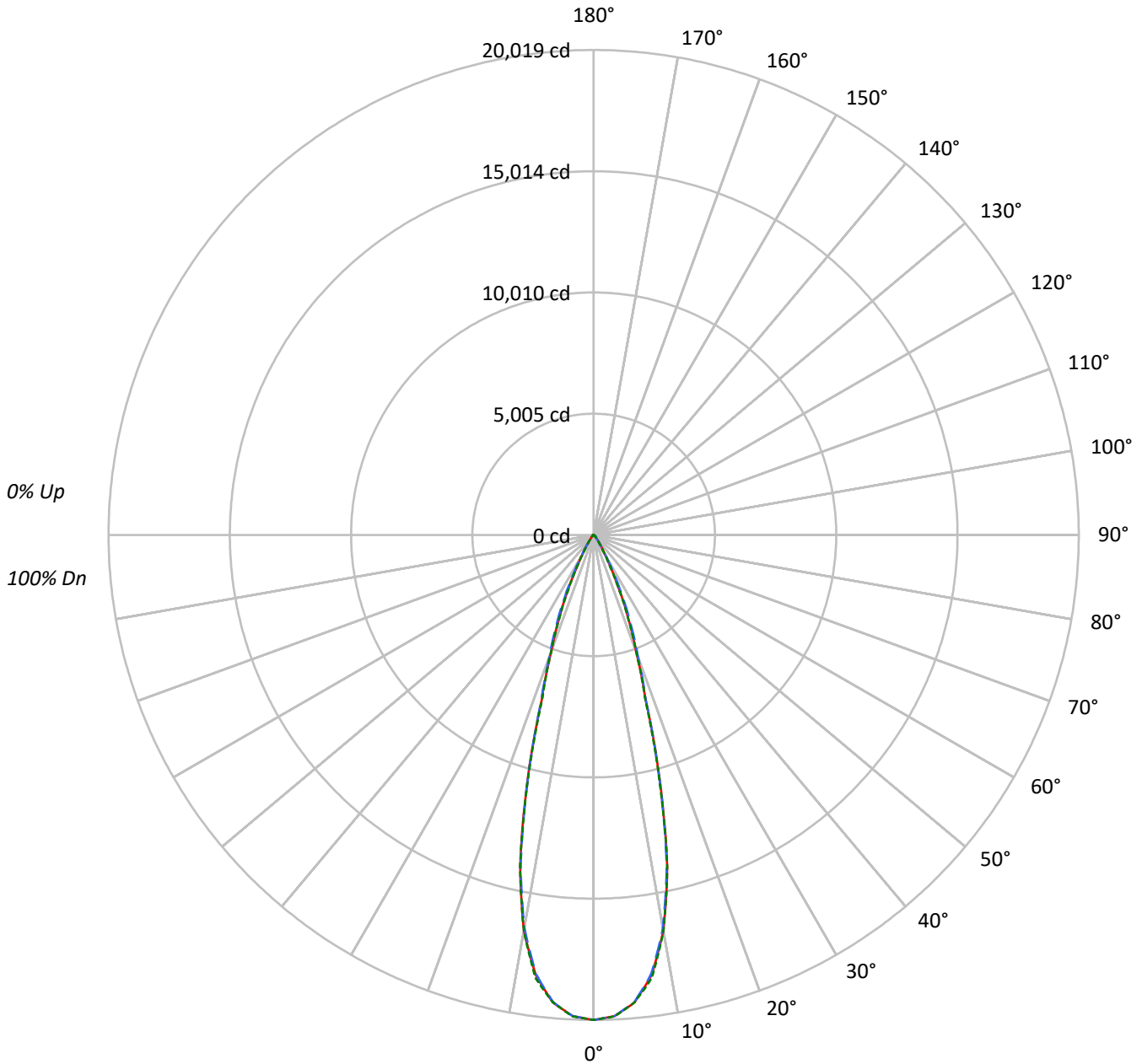
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1532292	1532292	1532292
5°	1488301	1486565	1488378
10°	1289095	1280001	1288792
15°	841067	836550	832343
20°	418227	433915	417665
25°	210676	237567	206352
30°	84346	91902	73492
35°	39124	37470	31406
40°	16887	18755	15907
45°	11918	14787	12026
50°	4096	10765	4335
55°	2362	4457	2496
60°	1653	1960	1653
65°	1069	1069	1069
70°	649	448	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: 14787 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1760.3	28.3
10°-20°	2835.0	45.5
20°-30°	1225.1	19.7
30°-40°	279.2	4.5
40°-50°	95.9	1.5
50°-60°	23.4	0.4
60°-70°	6.1	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°	5820.4	93.5
0°-40°	6099.7	98.0
0°-60°	6219.0	99.9
0°-90°	6225.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6225.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20019	20019	20019	20019	20019	
5°	19370	19351	19347	19388	19371	1762
15°	10614	10486	10557	10522	10504	2842
25°	2494	2589	2813	2523	2443	1194
35°	419	428	401	398	336	284
45°	110	137	137	137	111	78
55°	18	19	33	20	19	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°	20018.6	20018.6	20018.6	20018.6	20018.6
2.5°	19885.9	19872.1	19880.0	19889.8	19893.7
5°	19369.9	19351.2	19347.3	19387.6	19370.9
7.5°	18329.0	18302.5	18262.2	18353.6	18439.1
10°	16585.5	16556.0	16468.5	16511.8	16581.6
12.5°	14011.4	13916.1	13914.1	14051.7	14033.0
15°	10613.7	10486.0	10556.7	10522.3	10503.6
17.5°	7137.4	7088.3	7182.6	7154.1	7031.3
20°	5134.4	5147.2	5327.0	5236.6	5127.5
22.5°	3746.6	3792.8	4006.1	3773.1	3687.6
25°	2494.5	2588.8	2812.9	2523.0	2443.3
27.5°	1534.2	1577.5	1804.5	1514.6	1471.3
30°	954.3	932.7	1039.8	892.4	831.5
32.5°	626.1	598.6	633.0	568.1	518.9
35°	418.7	427.5	401.0	398.1	336.1
37.5°	261.4	300.8	265.4	283.1	216.2
40°	169.0	218.2	187.7	207.4	159.2
42.5°	138.6	168.1	154.3	164.1	141.5
45°	110.1	136.6	136.6	136.6	111.1
47.5°	60.9	91.4	117.0	93.4	64.9
50°	34.4	46.2	90.4	48.2	36.4
52.5°	23.6	26.5	61.9	27.5	24.6
55°	17.7	18.7	33.4	19.7	18.7
57.5°	13.8	14.7	17.7	14.7	13.8
60°	10.8	10.8	12.8	11.8	10.8
62.5°	7.9	7.9	8.8	7.9	7.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	2.0	2.0	2.0	2.9
72.5°	2.0	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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