

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P763849

Luminaire Tested: LD6D30D010-EU6DR1515309040-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763849  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D30D010-EU6DR1515309040-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3288.9 lumens  
Efficiency: N/A  
Efficacy: 113.4 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

Input Watts (W): 29  
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

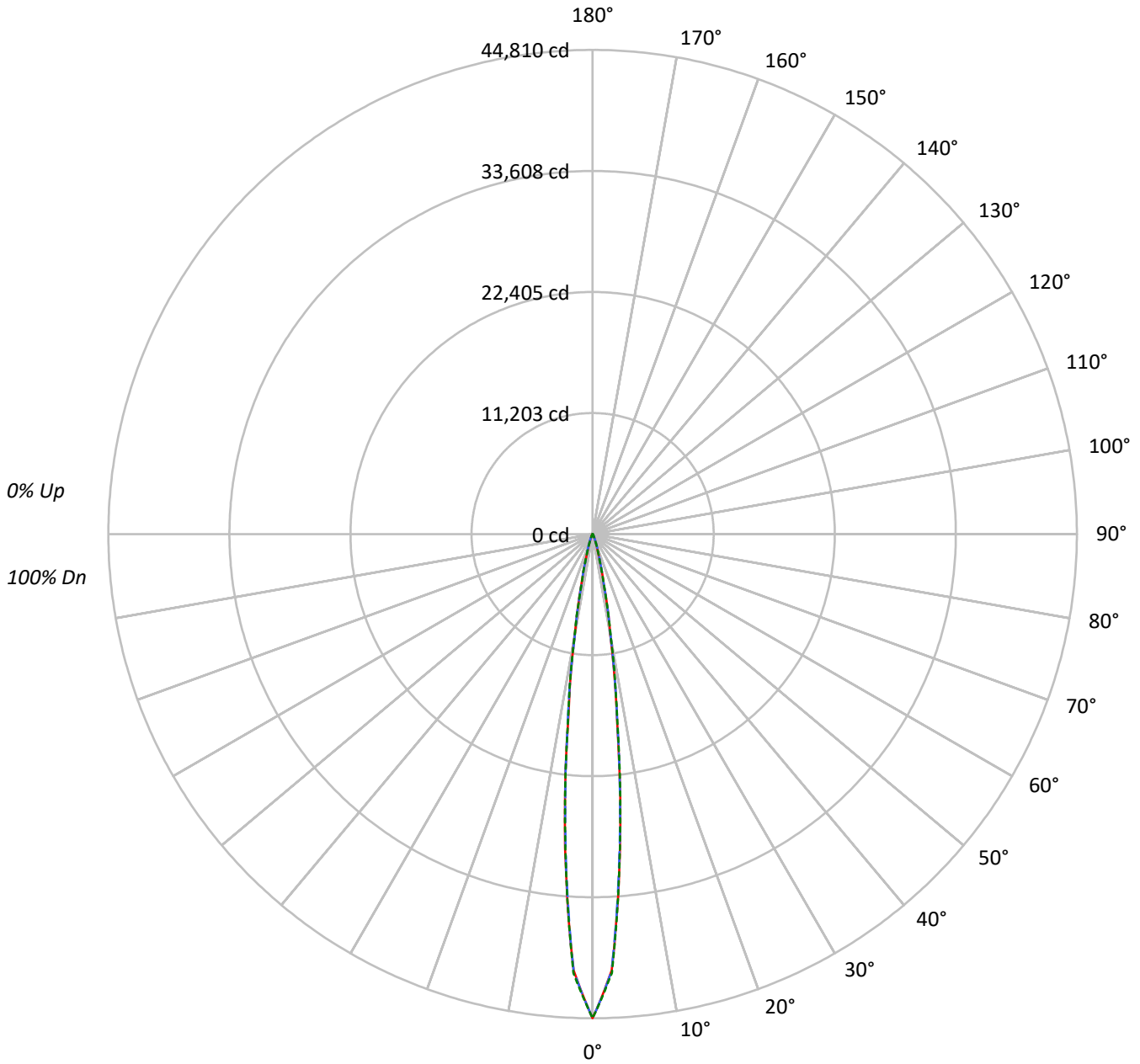


Downlight



TEST NUMBER: P763849  
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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

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

	0°	45°	90°
0°	5041996	5041996	5041996
5°	2962920	2924555	2947685
10°	884295	890490	904113
15°	219956	224247	217324
20°	65810	76210	67209
25°	23199	29556	23495
30°	8521	11225	8664
35°	4270	4822	4132
40°	2691	2961	2691
45°	1995	2128	1995
50°	1585	1585	1585
55°	1322	1322	1322
60°	1067	1067	1067
65°	814	814	814
70°	695	695	695
75°	431	431	574
80°	300	300	300
85°	158	158	158

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2128 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2133.0	64.9
10°-20°	877.4	26.7
20°-30°	174.3	5.3
30°-40°	43.5	1.3
40°-50°	22.9	0.7
50°-60°	17.0	0.5
60°-70°	12.0	0.4
70°-80°	6.8	0.2
80°-90°	2.1	0.1
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°	3184.7	96.8
0°-40°	3228.2	98.2
0°-60°	3268.0	99.4
0°-90°	3288.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3288.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	44810	44810	44810	44810	44810	
5°	29154	28855	28777	28976	29004	2129
15°	2532	2580	2582	2536	2502	868
25°	298	338	379	336	302	156
35°	59	63	66	63	57	40
45°	28	28	30	28	28	22
55°	19	19	19	19	19	17
65°	11	11	11	11	11	12
75°	6	6	6	6	8	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	44809.8	44809.8	44809.8	44809.8	44809.8
2.5°	40420.3	40454.4	40467.7	40507.5	40655.5
5°	29154.3	28854.6	28776.8	28976.0	29004.4
7.5°	17269.9	17330.6	17552.5	17601.8	17423.5
10°	9477.2	9555.0	9543.6	9611.9	9689.6
12.5°	4846.7	4786.0	4767.0	4844.8	4736.7
15°	2532.4	2579.9	2581.8	2536.2	2502.1
17.5°	1362.0	1417.0	1508.1	1434.1	1320.3
20°	804.3	853.6	931.4	870.7	821.4
22.5°	497.0	536.8	591.8	544.4	504.6
25°	297.8	337.7	379.4	335.8	301.6
27.5°	176.4	210.6	237.1	208.7	174.5
30°	113.8	132.8	149.9	130.9	115.7
32.5°	79.7	87.3	94.8	87.3	79.7
35°	58.8	62.6	66.4	62.6	56.9
37.5°	45.5	49.3	51.2	47.4	43.6
40°	37.9	39.8	41.7	39.8	37.9
42.5°	32.2	34.1	34.1	34.1	32.2
45°	28.5	28.5	30.4	28.5	28.5
47.5°	24.7	24.7	26.6	24.7	24.7
50°	22.8	22.8	22.8	22.8	22.8
52.5°	20.9	20.9	20.9	20.9	20.9
55°	19.0	19.0	19.0	19.0	19.0
57.5°	17.1	17.1	17.1	17.1	17.1
60°	15.2	15.2	15.2	15.2	15.2
62.5°	13.3	13.3	13.3	13.3	13.3
65°	11.4	11.4	11.4	11.4	11.4
67.5°	11.4	11.4	11.4	11.4	11.4
70°	9.5	9.5	9.5	9.5	9.5
72.5°	7.6	7.6	7.6	7.6	7.6
75°	5.7	5.7	5.7	5.7	5.7
77.5°	5.7	5.7	5.7	5.7	5.7
80°	3.8	3.8	3.8	3.8	3.8
82.5°	3.8	3.8	3.8	3.8	3.8
85°	1.9	1.9	1.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)