

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: P763809

Luminaire Tested: LD6D30D010-EU6DR1515309027-6LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763809  
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-EU6DR1515309027-6LBCSSQMMS  
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2854.3 lumens  
Efficiency: N/A  
Efficacy: 98.4 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 (Ain): 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



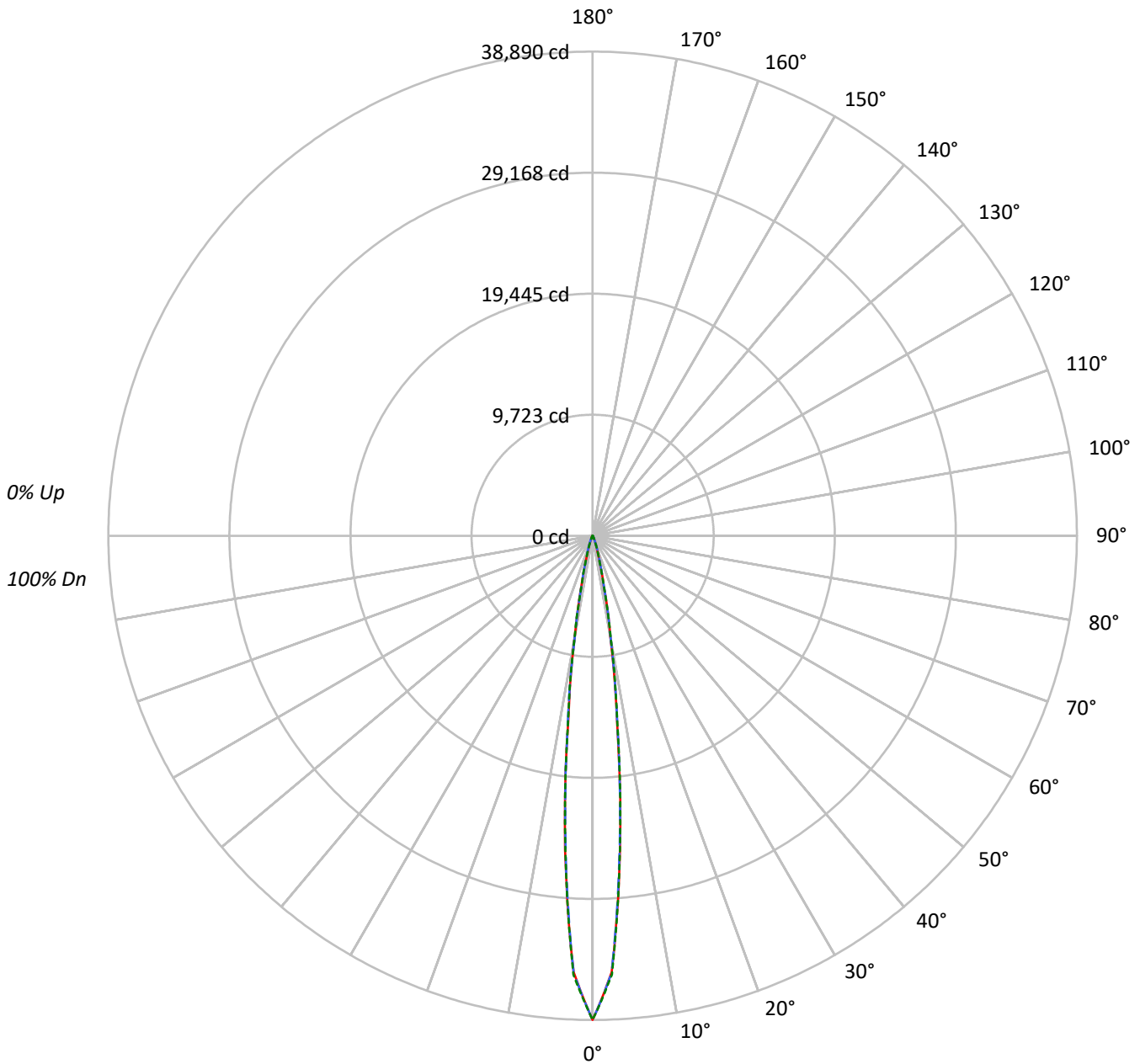
Downlight



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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	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	88	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°	4375867	4375867	4375867
5°	2571465	2538172	2558254
10°	767464	772839	784670
15°	190903	194620	188610
20°	57112	66146	58331
25°	20137	25653	20394
30°	7398	9742	7518
35°	3704	4183	3587
40°	2336	2571	2336
45°	1729	1841	1729
50°	1377	1377	1377
55°	1148	1148	1148
60°	927	927	927
65°	707	707	707
70°	600	600	600
75°	370	370	499
80°	260	260	260
85°	133	133	133

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1841 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1851.2	64.9
10°-20°	761.5	26.7
20°-30°	151.2	5.3
30°-40°	37.7	1.3
40°-50°	19.8	0.7
50°-60°	14.7	0.5
60°-70°	10.4	0.4
70°-80°	5.9	0.2
80°-90°	1.8	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°	2763.9	96.8
0°-40°	2801.7	98.2
0°-60°	2836.2	99.4
0°-90°	2854.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2854.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	38890	38890	38890	38890	38890	
5°	25302	25042	24975	25148	25172	1848
15°	2198	2239	2241	2201	2172	754
25°	258	293	329	291	262	136
35°	51	54	58	54	49	35
45°	25	25	26	25	25	19
55°	16	16	16	16	16	15
65°	10	10	10	10	10	10
75°	5	5	5	5	7	6
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°	38889.7	38889.7	38889.7	38889.7	38889.7
2.5°	35080.1	35109.7	35121.3	35155.8	35284.3
5°	25302.5	25042.4	24974.9	25147.8	25172.5
7.5°	14988.2	15040.9	15233.5	15276.3	15121.6
10°	8225.1	8292.6	8282.7	8342.0	8409.5
12.5°	4206.4	4153.7	4137.2	4204.7	4110.9
15°	2197.9	2239.0	2240.7	2201.1	2171.5
17.5°	1182.1	1229.8	1308.8	1244.6	1145.8
20°	698.0	740.9	808.4	755.7	712.9
22.5°	431.3	465.9	513.7	472.5	437.9
25°	258.5	293.0	329.3	291.4	261.8
27.5°	153.1	182.7	205.8	181.1	151.5
30°	98.8	115.2	130.1	113.6	100.4
32.5°	69.1	75.7	82.3	75.7	69.1
35°	51.0	54.3	57.6	54.3	49.4
37.5°	39.5	42.8	44.5	41.2	37.9
40°	32.9	34.6	36.2	34.6	32.9
42.5°	28.0	29.6	29.6	29.6	28.0
45°	24.7	24.7	26.3	24.7	24.7
47.5°	21.4	21.4	23.0	21.4	21.4
50°	19.8	19.8	19.8	19.8	19.8
52.5°	18.1	18.1	18.1	18.1	18.1
55°	16.5	16.5	16.5	16.5	16.5
57.5°	14.8	14.8	14.8	14.8	14.8
60°	13.2	13.2	13.2	13.2	13.2
62.5°	11.5	11.5	11.5	11.5	11.5
65°	9.9	9.9	9.9	9.9	9.9
67.5°	9.9	9.9	9.9	9.9	9.9
70°	8.2	8.2	8.2	8.2	8.2
72.5°	6.6	6.6	6.6	6.6	6.6
75°	4.9	4.9	4.9	4.9	6.6
77.5°	4.9	4.9	4.9	4.9	4.9
80°	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	3.3	3.3
85°	1.6	1.6	1.6	1.6	1.6
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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