

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: P763848

Luminaire Tested: LD6D30D010-EU6DR1515309040-6LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763848  
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-EU6DR1515309040-6LBCSSQMMS  
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3197.4 lumens  
Efficiency: N/A  
Efficacy: 110.3 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



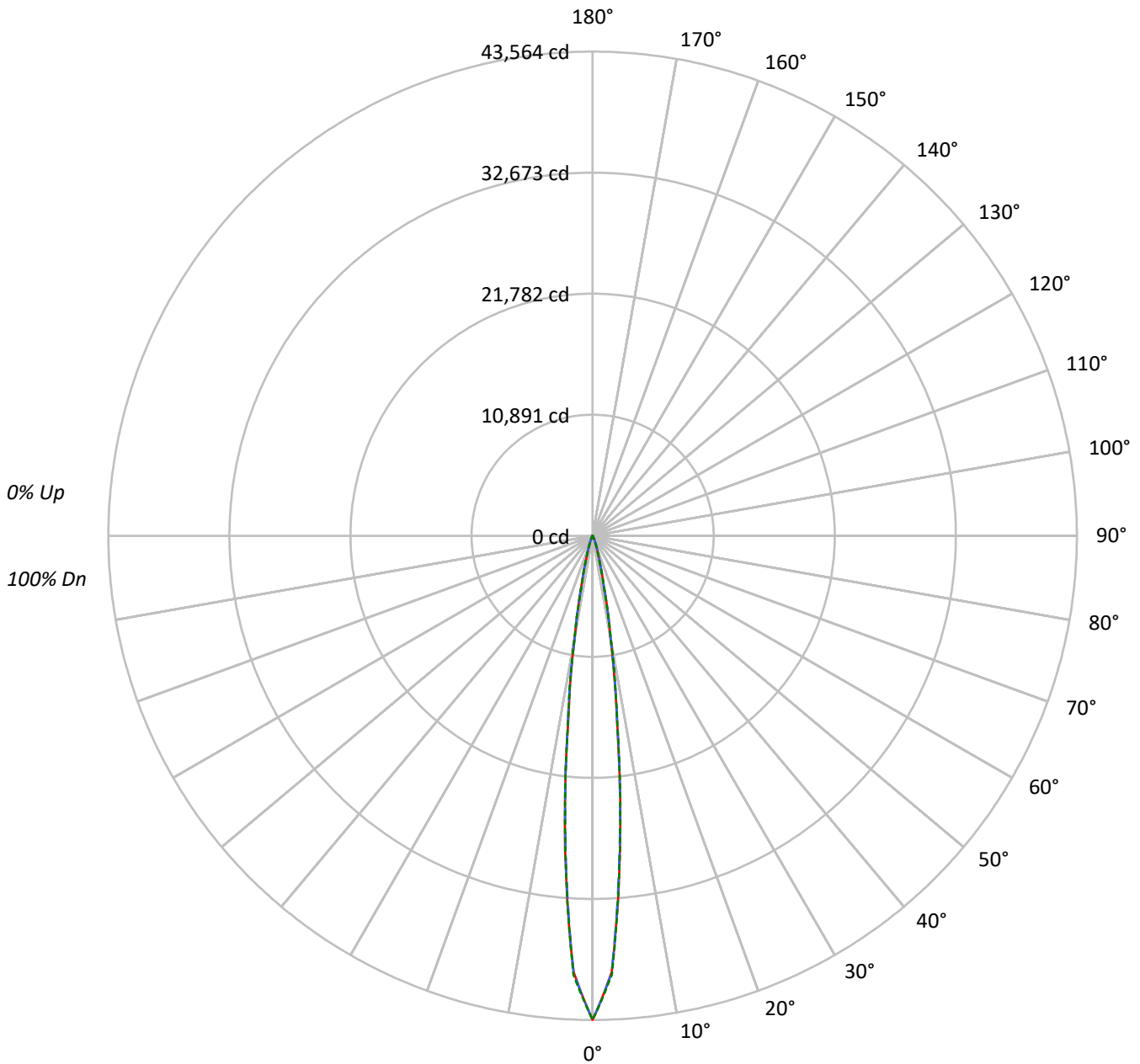
Downlight



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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°	4901785	4901785	4901785
5°	2880519	2843221	2865712
10°	859699	865726	878976
15°	213842	218011	211279
20°	63977	74091	65336
25°	22552	28730	22840
30°	8289	10910	8424
35°	4154	4684	4016
40°	2620	2883	2620
45°	1939	2065	1939
50°	1537	1537	1537
55°	1281	1281	1281
60°	1039	1039	1039
65°	792	792	792
70°	673	673	673
75°	416	416	559
80°	292	292	292
85°	149	149	149

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2065 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2073.7	64.9
10°-20°	853.0	26.7
20°-30°	169.4	5.3
30°-40°	42.3	1.3
40°-50°	22.2	0.7
50°-60°	16.5	0.5
60°-70°	11.7	0.4
70°-80°	6.6	0.2
80°-90°	2.0	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°	3096.1	96.8
0°-40°	3138.4	98.2
0°-60°	3177.1	99.4
0°-90°	3197.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3197.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	43564	43564	43564	43564	43564	
5°	28344	28052	27976	28170	28198	2070
15°	2462	2508	2510	2466	2432	844
25°	290	328	369	326	293	152
35°	57	61	64	61	55	39
45°	28	28	30	28	28	22
55°	18	18	18	18	18	16
65°	11	11	11	11	11	12
75°	6	6	6	6	7	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°	43563.7	43563.7	43563.7	43563.7	43563.7
2.5°	39296.2	39329.4	39342.4	39381.1	39524.9
5°	28343.5	28052.1	27976.5	28170.2	28197.8
7.5°	16789.6	16848.6	17064.4	17112.3	16939.0
10°	9213.6	9289.2	9278.2	9344.6	9420.2
12.5°	4711.9	4652.9	4634.5	4710.1	4605.0
15°	2462.0	2508.1	2510.0	2465.7	2432.5
17.5°	1324.1	1377.6	1466.1	1394.2	1283.6
20°	781.9	829.9	905.5	846.5	798.5
22.5°	483.2	521.9	575.4	529.3	490.6
25°	289.5	328.3	368.8	326.4	293.2
27.5°	171.5	204.7	230.5	202.9	169.7
30°	110.7	129.1	145.7	127.2	112.5
32.5°	77.5	84.8	92.2	84.8	77.5
35°	57.2	60.9	64.5	60.9	55.3
37.5°	44.3	47.9	49.8	46.1	42.4
40°	36.9	38.7	40.6	38.7	36.9
42.5°	31.4	33.2	33.2	33.2	31.4
45°	27.7	27.7	29.5	27.7	27.7
47.5°	24.0	24.0	25.8	24.0	24.0
50°	22.1	22.1	22.1	22.1	22.1
52.5°	20.3	20.3	20.3	20.3	20.3
55°	18.4	18.4	18.4	18.4	18.4
57.5°	16.6	16.6	16.6	16.6	16.6
60°	14.8	14.8	14.8	14.8	14.8
62.5°	12.9	12.9	12.9	12.9	12.9
65°	11.1	11.1	11.1	11.1	11.1
67.5°	11.1	11.1	11.1	11.1	11.1
70°	9.2	9.2	9.2	9.2	9.2
72.5°	7.4	7.4	7.4	7.4	7.4
75°	5.5	5.5	5.5	5.5	7.4
77.5°	5.5	5.5	5.5	5.5	5.5
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.8	1.8	1.8	1.8	1.8
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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