

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: P762000

Luminaire Tested: LD6D20D010-EU6DR1515309050-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762000  
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: LD6D20D010-EU6DR1515309050-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1886.1 lumens  
Efficiency: N/A  
Efficacy: 81.6 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): 23.1  
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



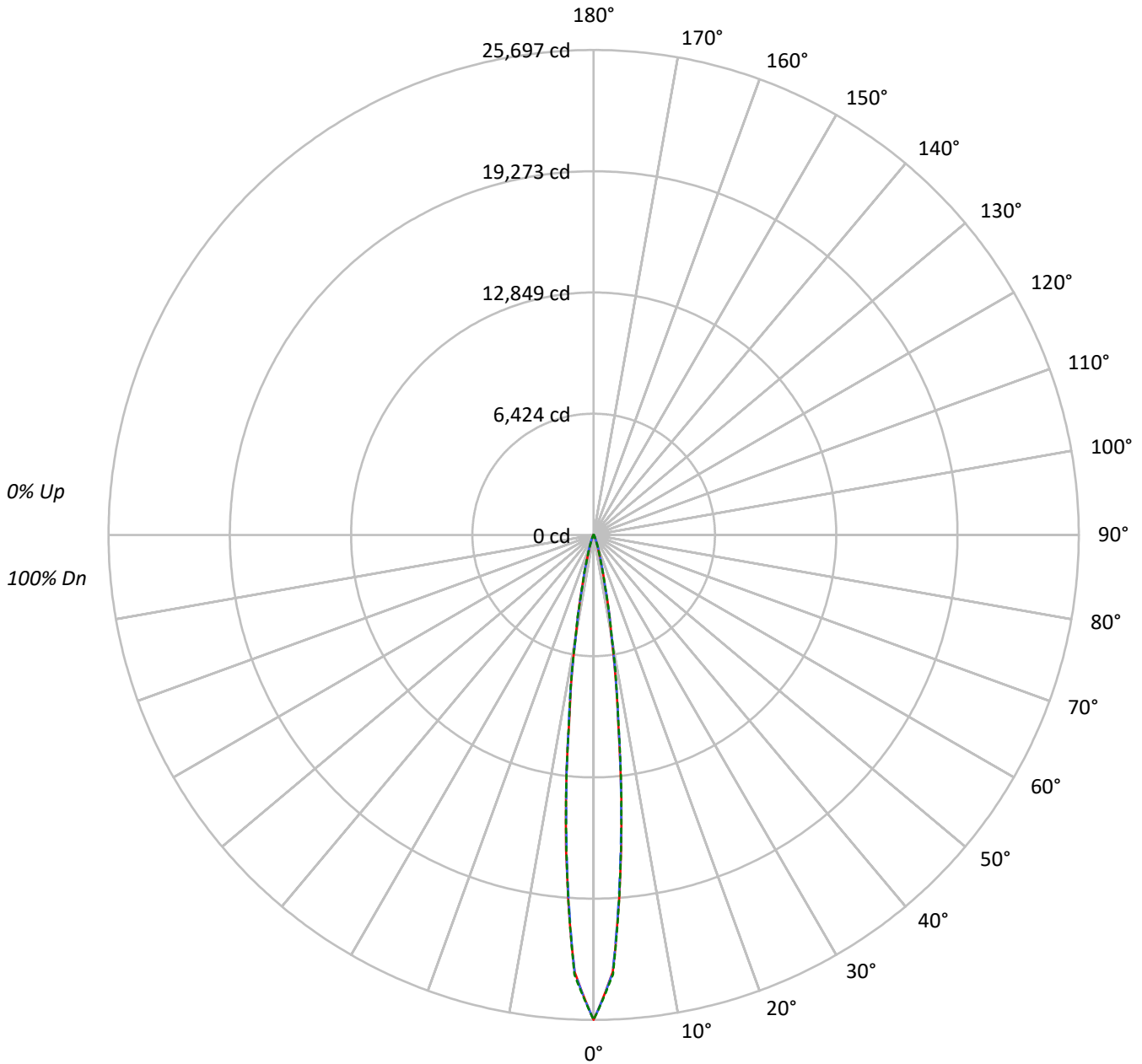
Downlight



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

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

	0°	45°	90°
0°	2891403	2891403	2891403
5°	1699123	1677131	1690394
10°	507108	510663	518482
15°	126142	128592	124631
20°	37737	43702	38539
25°	13305	16951	13477
30°	4890	6432	4972
35°	2447	2767	2367
40°	1548	1697	1548
45°	1141	1218	1141
50°	911	911	911
55°	759	759	759
60°	611	611	611
65°	464	464	464
70°	395	395	395
75°	249	249	333
80°	173	173	173
85°	91	91	91

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1218 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1223.2	64.9
10°-20°	503.1	26.7
20°-30°	99.9	5.3
30°-40°	24.9	1.3
40°-50°	13.1	0.7
50°-60°	9.7	0.5
60°-70°	6.8	0.4
70°-80°	3.9	0.2
80°-90°	1.2	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°	1826.3	96.8
0°-40°	1851.2	98.2
0°-60°	1874.1	99.4
0°-90°	1886.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1886.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	25697	25697	25697	25697	25697	
5°	16719	16547	16502	16617	16633	1221
15°	1452	1480	1480	1454	1435	498
25°	171	194	218	192	173	90
35°	34	36	38	36	33	23
45°	16	16	17	16	16	13
55°	11	11	11	11	11	10
65°	6	6	6	6	6	7
75°	3	3	3	3	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	25696.8	25696.8	25696.8	25696.8	25696.8
2.5°	23179.6	23199.2	23206.8	23229.6	23314.5
5°	16718.9	16547.1	16502.5	16616.7	16633.0
7.5°	9903.6	9938.5	10065.7	10094.0	9991.8
10°	5434.8	5479.4	5472.9	5512.1	5556.7
12.5°	2779.4	2744.6	2733.7	2778.3	2716.3
15°	1452.3	1479.5	1480.5	1454.4	1434.9
17.5°	781.1	812.6	864.8	822.4	757.1
20°	461.2	489.5	534.1	499.3	471.0
22.5°	285.0	307.9	339.4	312.2	289.4
25°	170.8	193.6	217.6	192.5	173.0
27.5°	101.2	120.7	136.0	119.7	100.1
30°	65.3	76.1	85.9	75.1	66.4
32.5°	45.7	50.0	54.4	50.0	45.7
35°	33.7	35.9	38.1	35.9	32.6
37.5°	26.1	28.3	29.4	27.2	25.0
40°	21.8	22.8	23.9	22.8	21.8
42.5°	18.5	19.6	19.6	19.6	18.5
45°	16.3	16.3	17.4	16.3	16.3
47.5°	14.1	14.1	15.2	14.1	14.1
50°	13.1	13.1	13.1	13.1	13.1
52.5°	12.0	12.0	12.0	12.0	12.0
55°	10.9	10.9	10.9	10.9	10.9
57.5°	9.8	9.8	9.8	9.8	9.8
60°	8.7	8.7	8.7	8.7	8.7
62.5°	7.6	7.6	7.6	7.6	7.6
65°	6.5	6.5	6.5	6.5	6.5
67.5°	6.5	6.5	6.5	6.5	6.5
70°	5.4	5.4	5.4	5.4	5.4
72.5°	4.4	4.4	4.4	4.4	4.4
75°	3.3	3.3	3.3	3.3	4.4
77.5°	3.3	3.3	3.3	3.3	3.3
80°	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1
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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