

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: P761962

Luminaire Tested: LD6D20D010-EU6DR1515309035-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761962  
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-EU6DR1515309035-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1872.2 lumens  
Efficiency: N/A  
Efficacy: 81.0 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

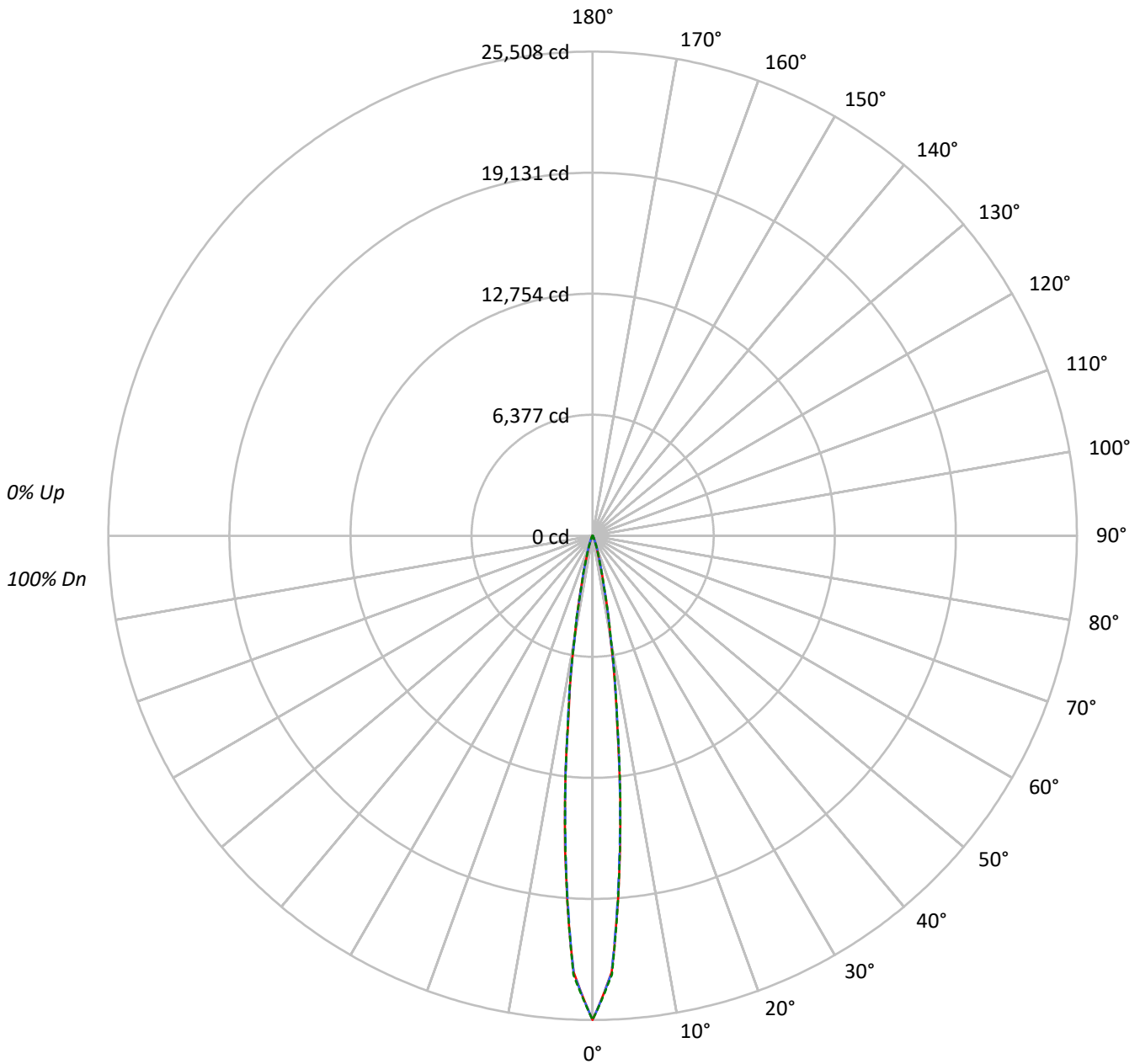


Downlight



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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	88	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°	2870170	2870170	2870170
5°	1686654	1664814	1677975
10°	503385	506912	514675
15°	125213	127653	123710
20°	37467	43382	38260
25°	13204	16827	13376
30°	4852	6387	4935
35°	2433	2745	2353
40°	1534	1690	1534
45°	1134	1211	1134
50°	904	904	904
55°	752	752	752
60°	604	604	604
65°	464	464	464
70°	395	395	395
75°	242	242	325
80°	173	173	173
85°	91	91	91

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1211 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1214.2	64.9
10°-20°	499.5	26.7
20°-30°	99.2	5.3
30°-40°	24.8	1.3
40°-50°	13.0	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°	1812.9	96.8
0°-40°	1837.7	98.2
0°-60°	1860.3	99.4
0°-90°	1872.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1872.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	25508	25508	25508	25508	25508	
5°	16596	16426	16381	16495	16511	1212
15°	1442	1469	1470	1444	1424	494
25°	170	192	216	191	172	89
35°	34	36	38	36	32	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°	25508.1	25508.1	25508.1	25508.1	25508.1
2.5°	23009.4	23028.8	23036.4	23059.0	23143.3
5°	16596.2	16425.5	16381.3	16494.6	16510.8
7.5°	9830.9	9865.5	9991.8	10019.9	9918.4
10°	5394.9	5439.2	5432.7	5471.6	5515.9
12.5°	2759.0	2724.5	2713.7	2757.9	2696.4
15°	1441.6	1468.6	1469.7	1443.8	1424.3
17.5°	775.3	806.6	858.5	816.4	751.6
20°	457.9	485.9	530.2	495.6	467.6
22.5°	282.9	305.6	336.9	309.9	287.2
25°	169.5	192.2	216.0	191.1	171.7
27.5°	100.4	119.9	135.0	118.8	99.3
30°	64.8	75.6	85.3	74.5	65.9
32.5°	45.4	49.7	54.0	49.7	45.4
35°	33.5	35.6	37.8	35.6	32.4
37.5°	25.9	28.1	29.2	27.0	24.8
40°	21.6	22.7	23.8	22.7	21.6
42.5°	18.4	19.4	19.4	19.4	18.4
45°	16.2	16.2	17.3	16.2	16.2
47.5°	14.0	14.0	15.1	14.0	14.0
50°	13.0	13.0	13.0	13.0	13.0
52.5°	11.9	11.9	11.9	11.9	11.9
55°	10.8	10.8	10.8	10.8	10.8
57.5°	9.7	9.7	9.7	9.7	9.7
60°	8.6	8.6	8.6	8.6	8.6
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°	4.3	4.3	4.3	4.3	4.3
75°	3.2	3.2	3.2	3.2	4.3
77.5°	3.2	3.2	3.2	3.2	3.2
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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