

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: P761948

Luminaire Tested: LD6D20D010-EU6DR1515309027-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761948  
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-EU6DR1515309027-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1703.8 lumens  
Efficiency: N/A  
Efficacy: 73.8 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



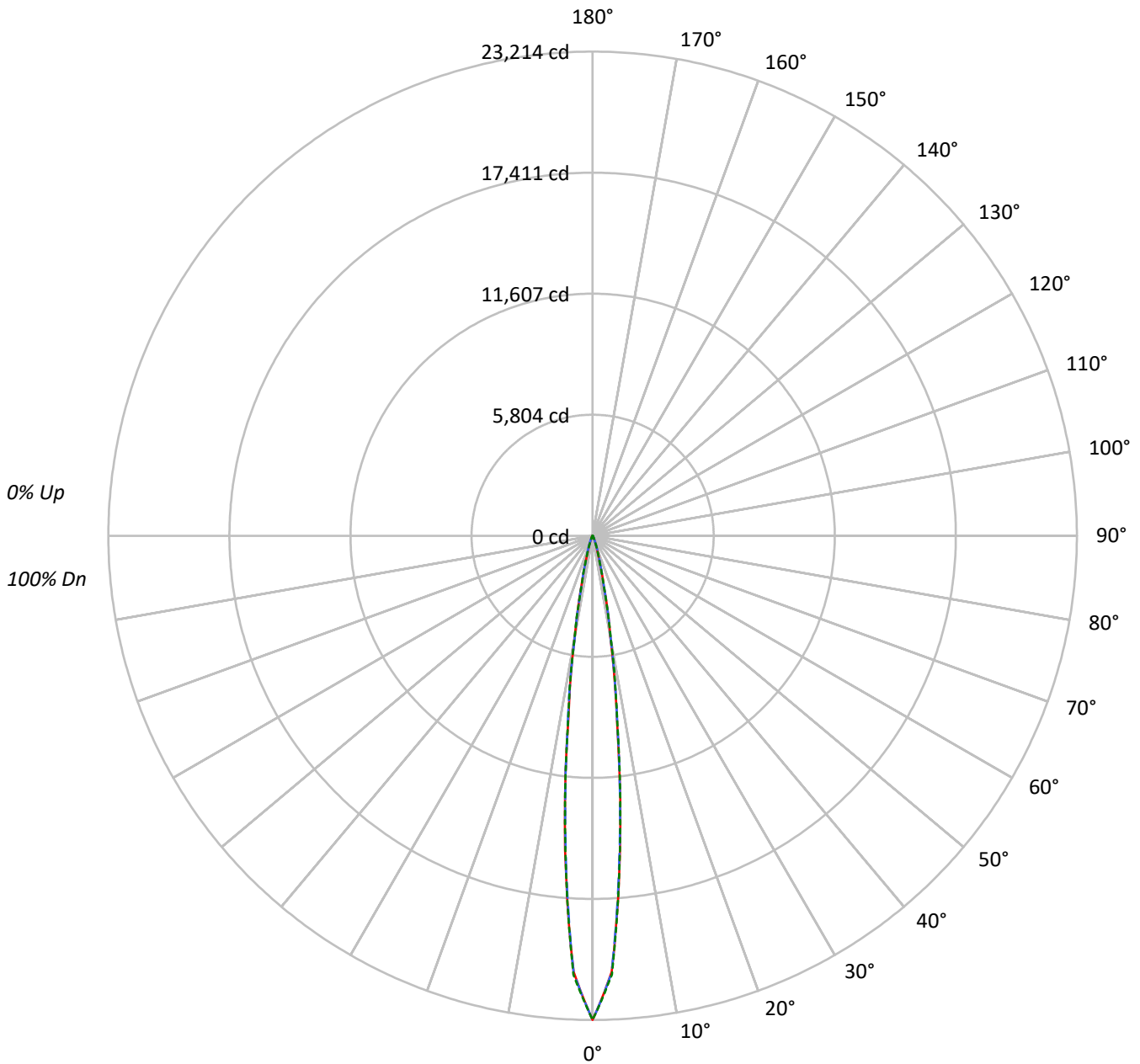
Downlight



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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°	2611982	2611982	2611982
5°	1534922	1515053	1527035
10°	458103	461313	468376
15°	113947	116171	112584
20°	34096	39480	34816
25°	12020	15307	12176
30°	4418	5811	4485
35°	2215	2498	2142
40°	1399	1534	1399
45°	1029	1099	1029
50°	821	821	821
55°	682	682	682
60°	555	555	555
65°	421	421	421
70°	358	358	358
75°	219	219	295
80°	158	158	158
85°	83	83	83

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1099 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1105.0	64.9
10°-20°	454.5	26.7
20°-30°	90.3	5.3
30°-40°	22.5	1.3
40°-50°	11.8	0.7
50°-60°	8.8	0.5
60°-70°	6.2	0.4
70°-80°	3.5	0.2
80°-90°	1.1	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°	1649.8	96.8
0°-40°	1672.3	98.2
0°-60°	1693.0	99.4
0°-90°	1703.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1703.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	23214	23214	23214	23214	23214	
5°	15103	14948	14908	15011	15026	1103
15°	1312	1336	1338	1314	1296	450
25°	154	175	196	174	156	81
35°	30	32	34	32	30	21
45°	15	15	16	15	15	12
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	4	3
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°	23213.5	23213.5	23213.5	23213.5	23213.5
2.5°	20939.5	20957.2	20964.1	20984.7	21061.4
5°	15103.2	14948.0	14907.7	15010.9	15025.6
7.5°	8946.6	8978.0	9093.0	9118.5	9026.2
10°	4909.6	4949.9	4944.0	4979.4	5019.7
12.5°	2510.8	2479.4	2469.5	2509.8	2453.8
15°	1311.9	1336.5	1337.5	1313.9	1296.2
17.5°	705.6	734.1	781.3	742.9	684.0
20°	416.7	442.2	482.5	451.1	425.5
22.5°	257.5	278.1	306.6	282.0	261.4
25°	154.3	174.9	196.5	173.9	156.3
27.5°	91.4	109.1	122.8	108.1	90.4
30°	59.0	68.8	77.6	67.8	59.9
32.5°	41.3	45.2	49.1	45.2	41.3
35°	30.5	32.4	34.4	32.4	29.5
37.5°	23.6	25.6	26.5	24.6	22.6
40°	19.7	20.6	21.6	20.6	19.7
42.5°	16.7	17.7	17.7	17.7	16.7
45°	14.7	14.7	15.7	14.7	14.7
47.5°	12.8	12.8	13.8	12.8	12.8
50°	11.8	11.8	11.8	11.8	11.8
52.5°	10.8	10.8	10.8	10.8	10.8
55°	9.8	9.8	9.8	9.8	9.8
57.5°	8.8	8.8	8.8	8.8	8.8
60°	7.9	7.9	7.9	7.9	7.9
62.5°	6.9	6.9	6.9	6.9	6.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	5.9	5.9	5.9	5.9	5.9
70°	4.9	4.9	4.9	4.9	4.9
72.5°	3.9	3.9	3.9	3.9	3.9
75°	2.9	2.9	2.9	2.9	3.9
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0
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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