

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: P761935

Luminaire Tested: LD6D20D010-EU6DR1515309024-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761935  
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-EU6DR1515309024-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1534.9 lumens  
Efficiency: N/A  
Efficacy: 66.4 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): 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



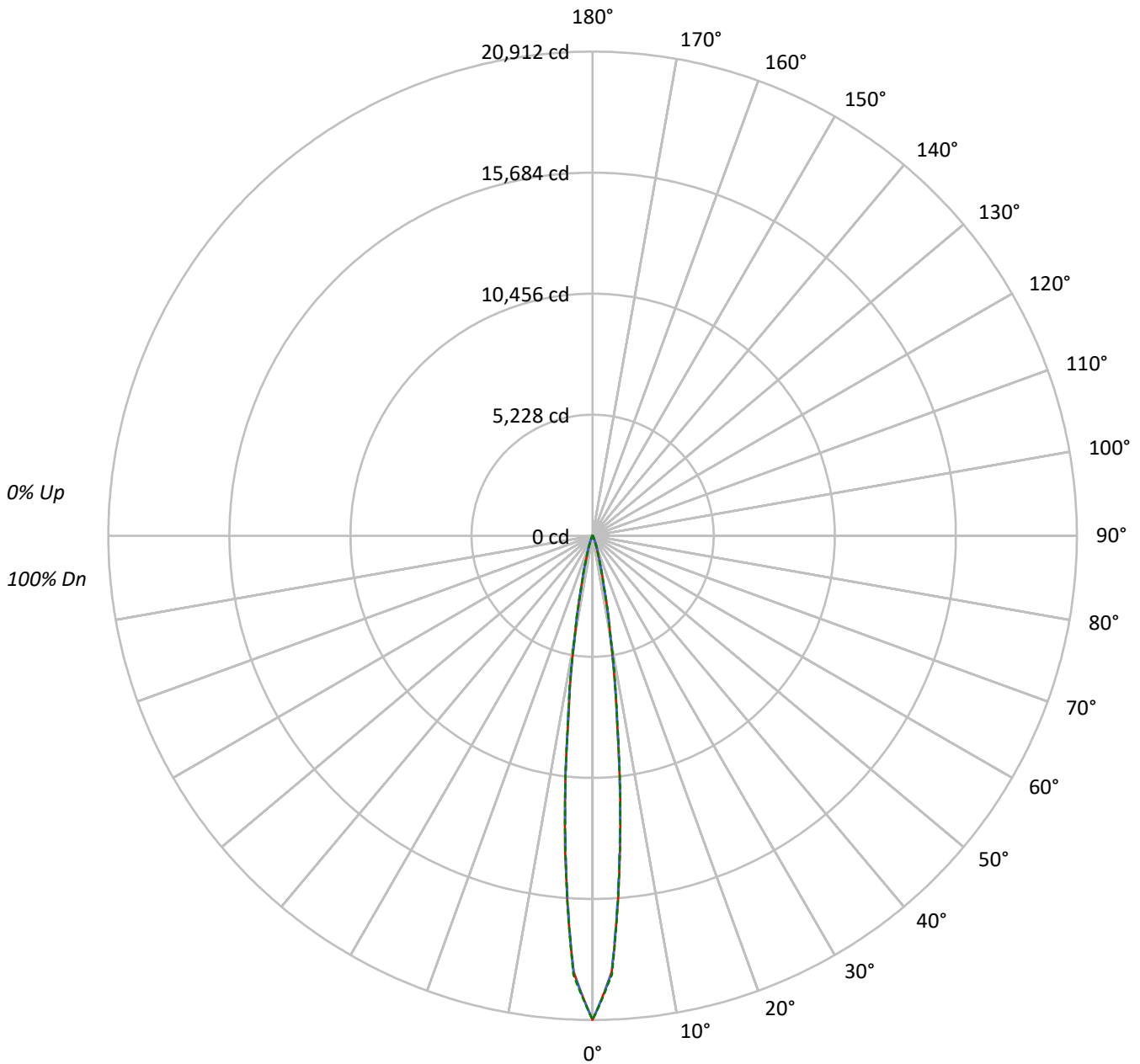
Downlight



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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°	2352972	2352972	2352972
5°	1382722	1364815	1375608
10°	412681	415564	421928
15°	102647	104645	101423
20°	30716	35568	31363
25°	10828	13796	10968
30°	3976	5234	4044
35°	1990	2251	1932
40°	1257	1385	1257
45°	931	994	931
50°	737	737	737
55°	619	619	619
60°	498	498	498
65°	378	378	378
70°	322	322	322
75°	204	204	265
80°	142	142	142
85°	75	75	75

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 994 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	995.4	64.9
10°-20°	409.5	26.7
20°-30°	81.3	5.3
30°-40°	20.3	1.3
40°-50°	10.7	0.7
50°-60°	7.9	0.5
60°-70°	5.6	0.4
70°-80°	3.2	0.2
80°-90°	1.0	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°	1486.2	96.8
0°-40°	1506.5	98.2
0°-60°	1525.1	99.4
0°-90°	1534.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1534.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20912	20912	20912	20912	20912	
5°	13606	13466	13429	13522	13536	994
15°	1182	1204	1205	1184	1168	405
25°	139	158	177	157	141	73
35°	27	29	31	29	27	19
45°	13	13	14	13	13	10
55°	9	9	9	9	9	8
65°	5	5	5	5	5	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°	20911.6	20911.6	20911.6	20911.6	20911.6
2.5°	18863.1	18879.1	18885.2	18903.8	18972.9
5°	13605.6	13465.7	13429.4	13522.3	13535.6
7.5°	8059.4	8087.7	8191.3	8214.3	8131.1
10°	4422.8	4459.1	4453.7	4485.6	4521.9
12.5°	2261.8	2233.5	2224.7	2261.0	2210.5
15°	1181.8	1204.0	1204.8	1183.6	1167.7
17.5°	635.6	661.3	703.8	669.3	616.1
20°	375.4	398.4	434.7	406.3	383.3
22.5°	231.9	250.5	276.2	254.1	235.5
25°	139.0	157.6	177.1	156.7	140.8
27.5°	82.3	98.3	110.7	97.4	81.4
30°	53.1	62.0	69.9	61.1	54.0
32.5°	37.2	40.7	44.3	40.7	37.2
35°	27.4	29.2	31.0	29.2	26.6
37.5°	21.2	23.0	23.9	22.1	20.4
40°	17.7	18.6	19.5	18.6	17.7
42.5°	15.0	15.9	15.9	15.9	15.0
45°	13.3	13.3	14.2	13.3	13.3
47.5°	11.5	11.5	12.4	11.5	11.5
50°	10.6	10.6	10.6	10.6	10.6
52.5°	9.7	9.7	9.7	9.7	9.7
55°	8.9	8.9	8.9	8.9	8.9
57.5°	8.0	8.0	8.0	8.0	8.0
60°	7.1	7.1	7.1	7.1	7.1
62.5°	6.2	6.2	6.2	6.2	6.2
65°	5.3	5.3	5.3	5.3	5.3
67.5°	5.3	5.3	5.3	5.3	5.3
70°	4.4	4.4	4.4	4.4	4.4
72.5°	3.5	3.5	3.5	3.5	3.5
75°	2.7	2.7	2.7	2.7	3.5
77.5°	2.7	2.7	2.7	2.7	2.7
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9
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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