

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: P759964

Luminaire Tested: LD6D10D010-EU6DR150210IC9030-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P759964  
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: LD6D10D010-EU6DR150210IC9030-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 907.2 lumens  
Efficiency: N/A  
Efficacy: 77.5 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): 11.7  
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



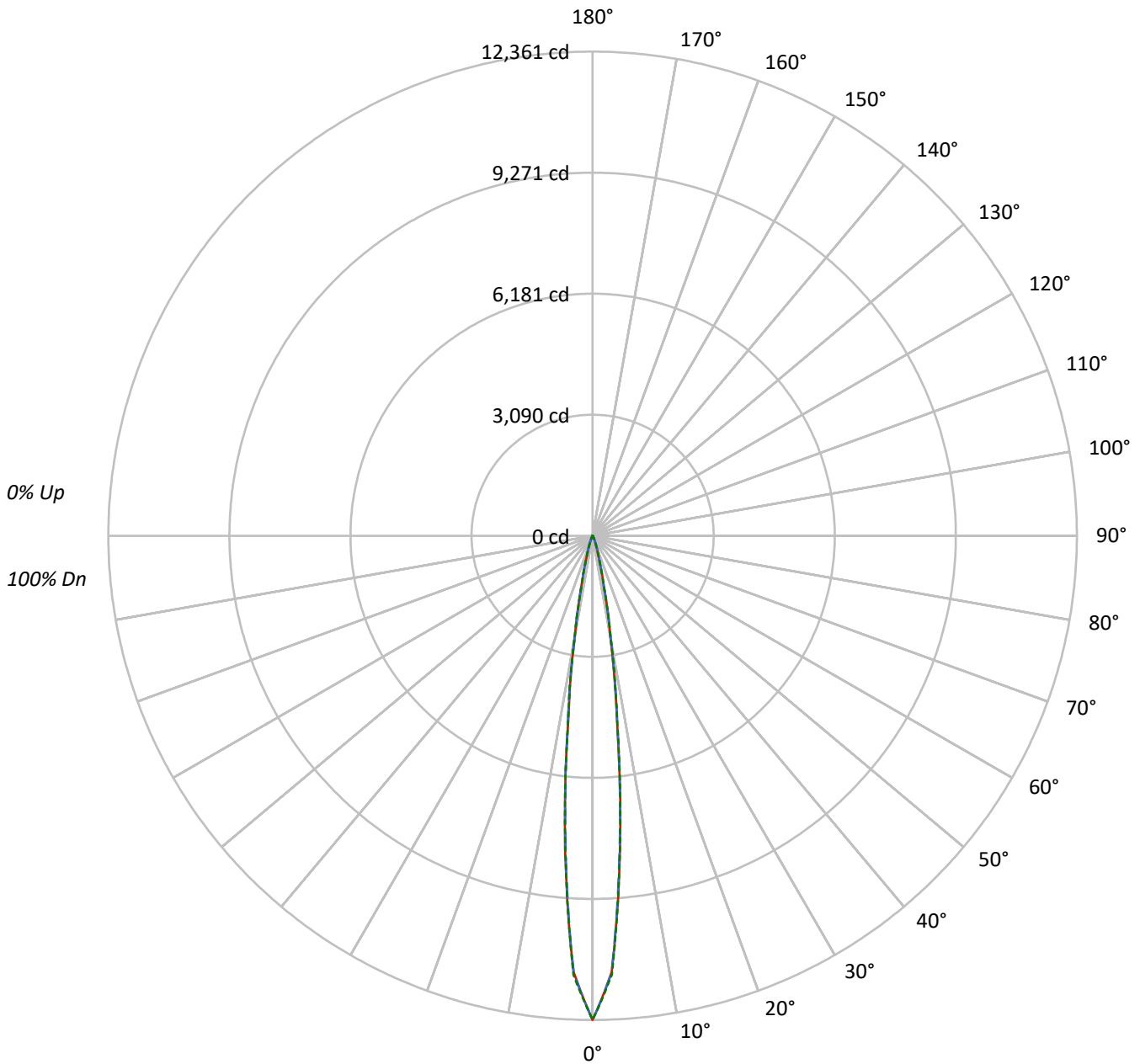
Downlight



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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°	1390882	1390882	1390882
5°	817350	806771	813153
10°	243943	245651	249411
15°	60678	61859	59949
20°	18156	21020	18541
25°	6403	8156	6481
30°	2351	3093	2389
35°	1176	1329	1140
40°	746	817	746
45°	546	588	546
50°	438	438	438
55°	362	362	362
60°	295	295	295
65°	221	221	221
70°	190	190	190
75°	121	121	159
80°	79	79	79
85°	42	42	42

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 588 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	588.4	64.9
10°-20°	242.0	26.7
20°-30°	48.1	5.3
30°-40°	12.0	1.3
40°-50°	6.3	0.7
50°-60°	4.7	0.5
60°-70°	3.3	0.4
70°-80°	1.9	0.2
80°-90°	0.5	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°	878.5	96.8
0°-40°	890.5	98.2
0°-60°	901.5	99.4
0°-90°	907.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	907.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12361	12361	12361	12361	12361	
5°	8042	7960	7938	7993	8001	587
15°	699	712	712	700	690	240
25°	82	93	105	93	83	43
35°	16	17	18	17	16	11
45°	8	8	8	8	8	6
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	12361.2	12361.2	12361.2	12361.2	12361.2
2.5°	11150.3	11159.8	11163.4	11174.4	11215.2
5°	8042.5	7959.8	7938.4	7993.3	8001.2
7.5°	4764.1	4780.8	4842.0	4855.6	4806.4
10°	2614.4	2635.8	2632.7	2651.5	2673.0
12.5°	1337.0	1320.3	1315.0	1336.5	1306.7
15°	698.6	711.7	712.2	699.6	690.2
17.5°	375.7	390.9	416.0	395.6	364.2
20°	221.9	235.5	256.9	240.2	226.6
22.5°	137.1	148.1	163.3	150.2	139.2
25°	82.2	93.1	104.7	92.6	83.2
27.5°	48.7	58.1	65.4	57.6	48.1
30°	31.4	36.6	41.3	36.1	31.9
32.5°	22.0	24.1	26.2	24.1	22.0
35°	16.2	17.3	18.3	17.3	15.7
37.5°	12.6	13.6	14.1	13.1	12.0
40°	10.5	11.0	11.5	11.0	10.5
42.5°	8.9	9.4	9.4	9.4	8.9
45°	7.8	7.8	8.4	7.8	7.8
47.5°	6.8	6.8	7.3	6.8	6.8
50°	6.3	6.3	6.3	6.3	6.3
52.5°	5.8	5.8	5.8	5.8	5.8
55°	5.2	5.2	5.2	5.2	5.2
57.5°	4.7	4.7	4.7	4.7	4.7
60°	4.2	4.2	4.2	4.2	4.2
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.1	3.1	3.1	3.1	3.1
67.5°	3.1	3.1	3.1	3.1	3.1
70°	2.6	2.6	2.6	2.6	2.6
72.5°	2.1	2.1	2.1	2.1	2.1
75°	1.6	1.6	1.6	1.6	2.1
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
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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(END OF REPORT)