

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: P763950

Luminaire Tested: LD6D30D010-EU6DR2015309050-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763950  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D30D010-EU6DR2015309050-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3129.0 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 29  
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



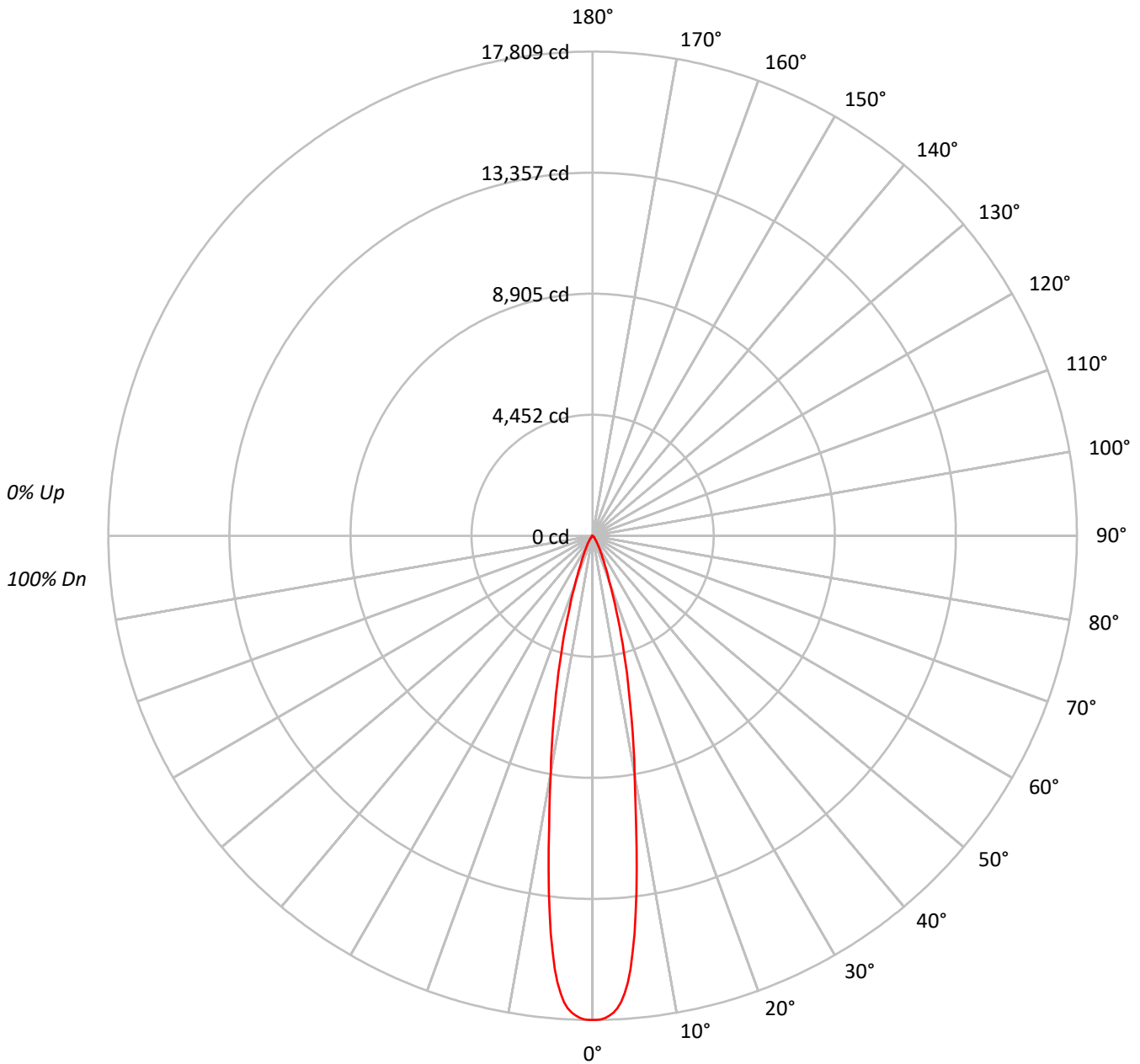
Downlight



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20												
RC	80					70					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	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								100							
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	98	96	95	94	94	92	91	91	89	88					
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	92	91	91	89	88	88	86	85						
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	89	89	87	86	85	85	83	82	81					
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	86	85	85	83	82	81	80	79						
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	83	82	81	80	79	78	77							
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	81	80	79	78	77	76	75							
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	79	78	77	76	75	74	73	72						
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	77	76	75	74	73	72	71	70						
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	75	74	73	72	71	70	69	68						
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	73	72	71	70	69	68	67	66						

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

	0°
0°	1945847
5°	1755519
10°	985292
15°	500840
20°	212047
25°	97891
30°	51815
35°	27917
40°	14933
45°	8823
50°	5116
55°	2724
60°	1726
65°	1241
70°	511
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8823 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1268.0	40.5
10°-20°	1248.6	39.9
20°-30°	407.9	13.0
30°-40°	138.9	4.4
40°-50°	46.7	1.5
50°-60°	14.1	0.4
60°-70°	4.7	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	2924.4	93.5
0°-40°	3063.3	97.9
0°-60°	3124.1	99.8
0°-90°	3129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3129.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17809	
5°	16006	###
15°	4428	1249
25°	812	408
35°	209	139
45°	57	47
55°	14	14
65°	5	5
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	17809.2
0.5°	17809.2
1°	17787.0
1.5°	17742.6
2°	17661.8
2.5°	17553.9
3°	17401.7
3.5°	17189.2
4°	16873.6
4.5°	16489.8
5°	16006.1
5.5°	15370.2
6°	14718.4
6.5°	13971.5
7°	13240.4
7.5°	12384.0
8°	11619.6
8.5°	10850.5
9°	10140.0
9.5°	9488.2
10°	8880.8
12.5°	6376.8
15°	4427.7
17.5°	2892.6
20°	1823.7
22.5°	1181.5
25°	812.0
27.5°	570.9
30°	410.7
32.5°	295.0
35°	209.3
37.5°	145.9
40°	104.7
42.5°	76.1
45°	57.1
47.5°	44.4
50°	30.1
52.5°	19.0
55°	14.3
57.5°	11.1
60°	7.9
62.5°	6.3
65°	4.8



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**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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— 0°-180°

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67.5°		3.2
70°		1.6

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(END OF REPORT)