

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: P761064

Luminaire Tested: LD6D15D010-EU6DR2015309035-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761064
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: LD6D15D010-EU6DR2015309035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1350.2 lumens
Efficiency: N/A
Efficacy: 85.5 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): 15.8
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

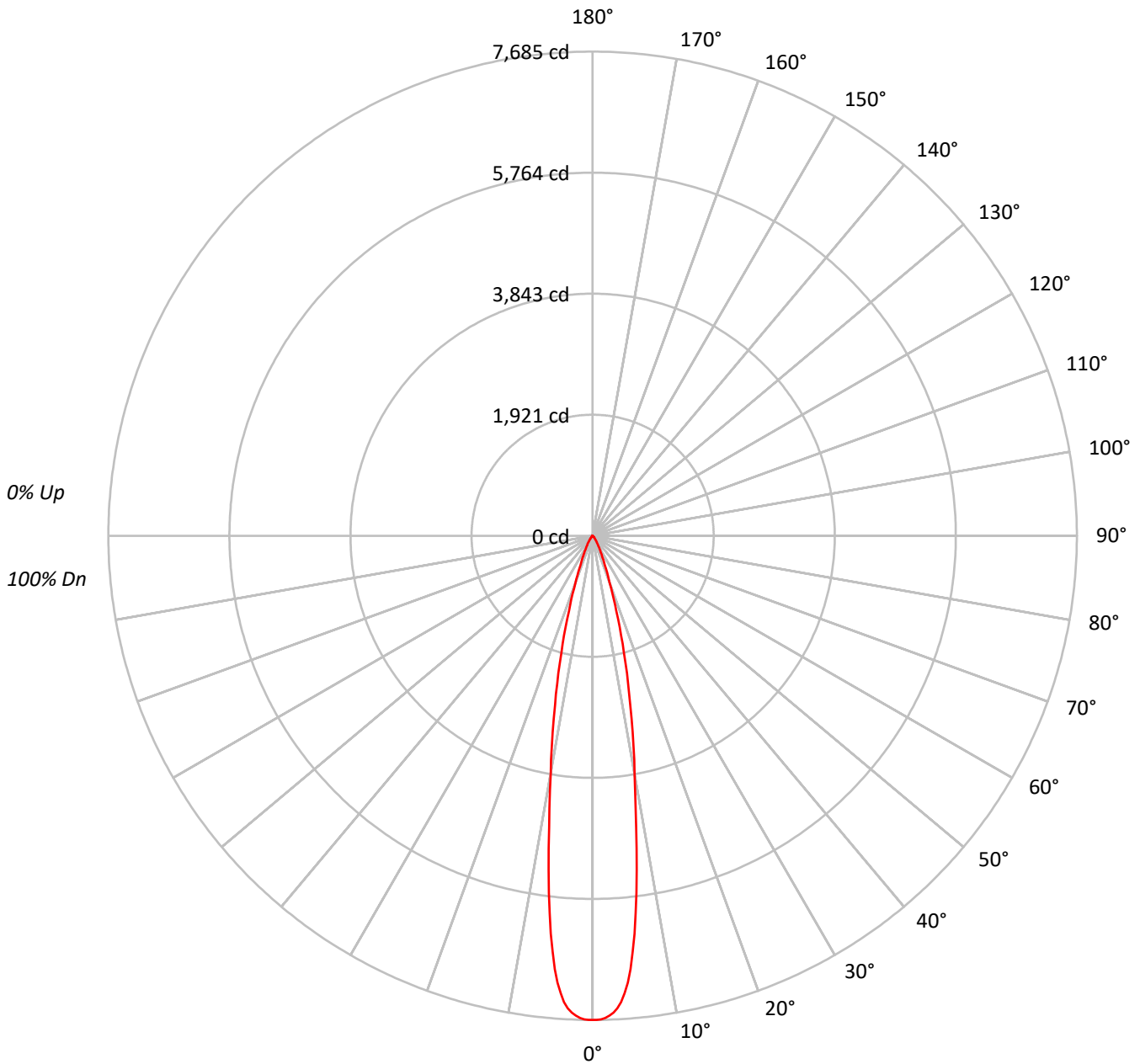


Downlight



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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									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	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	100	100	100	100	100	100	100	100	100																
	1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	96	95	94	94	93	92	91	91	90	89															
	2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	93	92	91	91	90	89	88	88	87	86															
	3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	90	89	88	88	87	86	85	85	84	83															
	4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	87	86	85	85	84	83	83	82	81	80															
	5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	84	83	82	81	81	80	79	79	78	77															
	6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	82	81	80	80	79	78	78	77	76	75															
	7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	80	79	78	77	76	75	74	73	72	71															
	8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	78	77	76	75	74	73	72	71	70	69															
	9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	76	75	74	73	72	71	70	69	68	67															
	10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	74	74	73	72	71	70	69	68	67	66	65															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	839647
5°	757514
10°	425157
15°	216118
20°	91507
25°	42243
30°	22356
35°	12044
40°	6447
45°	3801
50°	2210
55°	1181
60°	743
65°	543
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3801 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.1	40.5
10°-20°	538.8	39.9
20°-30°	176.0	13.0
30°-40°	59.9	4.4
40°-50°	20.1	1.5
50°-60°	6.1	0.4
60°-70°	2.0	0.2
70°-80°	0.1	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°	1261.9	93.5
0°-40°	1321.9	97.9
0°-60°	1348.1	99.8
0°-90°	1350.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1350.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7685	
5°	6907	547
15°	1911	539
25°	350	176
35°	90	60
45°	25	20
55°	6	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7684.8
0.5°	7684.8
1°	7675.2
1.5°	7656.0
2°	7621.1
2.5°	7574.6
3°	7508.9
3.5°	7417.2
4°	7281.0
4.5°	7115.4
5°	6906.7
5.5°	6632.3
6°	6351.1
6.5°	6028.7
7°	5713.3
7.5°	5343.8
8°	5013.9
8.5°	4682.0
9°	4375.5
9.5°	4094.2
10°	3832.1
12.5°	2751.6
15°	1910.6
17.5°	1248.2
20°	787.0
22.5°	509.8
25°	350.4
27.5°	246.4
30°	177.2
32.5°	127.3
35°	90.3
37.5°	63.0
40°	45.2
42.5°	32.8
45°	24.6
47.5°	19.2
50°	13.0
52.5°	8.2
55°	6.2
57.5°	4.8
60°	3.4
62.5°	2.7
65°	2.1



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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

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report





— 0°-180°

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67.5°		1.4
70°		0.7

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(END OF REPORT)