

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: P760031

Luminaire Tested: LD6D10D010-EU6DR200210IC9030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760031
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: LD6D10D010-EU6DR200210IC9030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1029.3 lumens
Efficiency: N/A
Efficacy: 88.0 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): 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



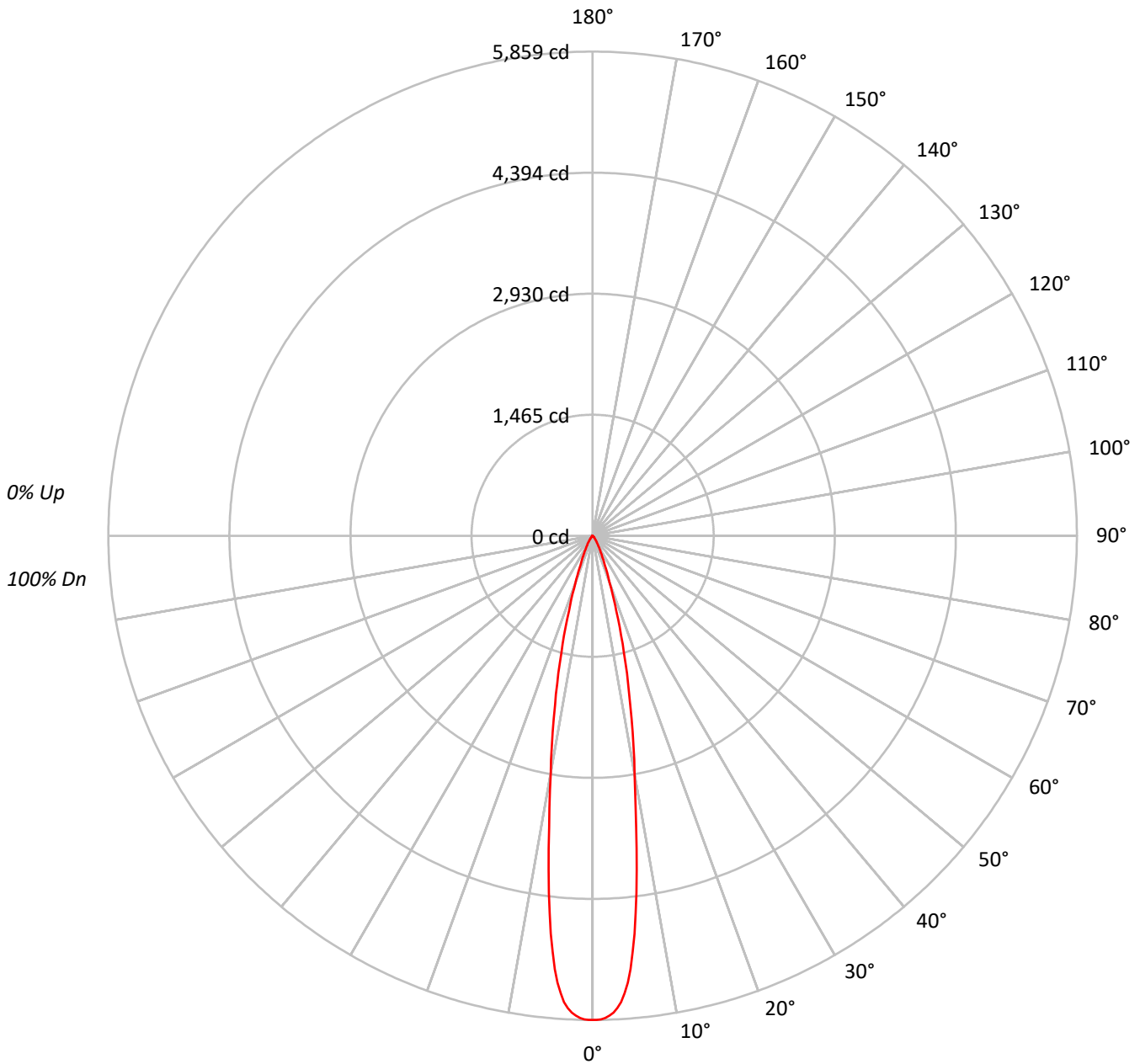
Downlight



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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	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	100	99	98	97	98	96	95	94												
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94	93	92	91	94												
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	98	96	95	94	93	92	91	94												
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	98	96	95	94	93	92	91	88												
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	98	96	95	94	93	92	91	85												
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	98	96	95	94	93	92	91	83												
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	98	96	95	94	93	92	91	81												
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	98	96	95	94	93	92	91	79												
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	98	96	95	94	93	92	91	77												
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	98	96	95	94	93	92	91	75												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	640126
5°	577510
10°	324130
15°	164763
20°	69764
25°	32200
30°	17045
35°	9190
40°	4906
45°	2905
50°	1683
55°	895
60°	568
65°	414
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2905 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.1	40.5
10°-20°	410.7	39.9
20°-30°	134.2	13.0
30°-40°	45.7	4.4
40°-50°	15.4	1.5
50°-60°	4.6	0.5
60°-70°	1.5	0.1
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°	962.1	93.5
0°-40°	1007.7	97.9
0°-60°	1027.7	99.8
0°-90°	1029.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1029.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5859	
5°	5266	417
15°	1457	411
25°	267	134
35°	69	46
45°	19	15
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5858.7
0.5°	5858.7
1°	5851.4
1.5°	5836.8
2°	5810.2
2.5°	5774.7
3°	5724.6
3.5°	5654.7
4°	5550.9
4.5°	5424.6
5°	5265.5
5.5°	5056.3
6°	4841.9
6.5°	4596.2
7°	4355.7
7.5°	4074.0
8°	3822.5
8.5°	3569.5
9°	3335.7
9.5°	3121.3
10°	2921.5
12.5°	2097.8
15°	1456.6
17.5°	951.6
20°	600.0
22.5°	388.7
25°	267.1
27.5°	187.8
30°	135.1
32.5°	97.0
35°	68.9
37.5°	48.0
40°	34.4
42.5°	25.0
45°	18.8
47.5°	14.6
50°	9.9
52.5°	6.3
55°	4.7
57.5°	3.7
60°	2.6
62.5°	2.1
65°	1.6



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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°		1.0
70°		0.5

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(END OF REPORT)