

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: P756991

Luminaire Tested: LD6D02D010-EU6DR200210IC9030-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756991
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: LD6D02D010-EU6DR200210IC9030-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 358.9 lumens
Efficiency: N/A
Efficacy: 70.4 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): 5.1
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



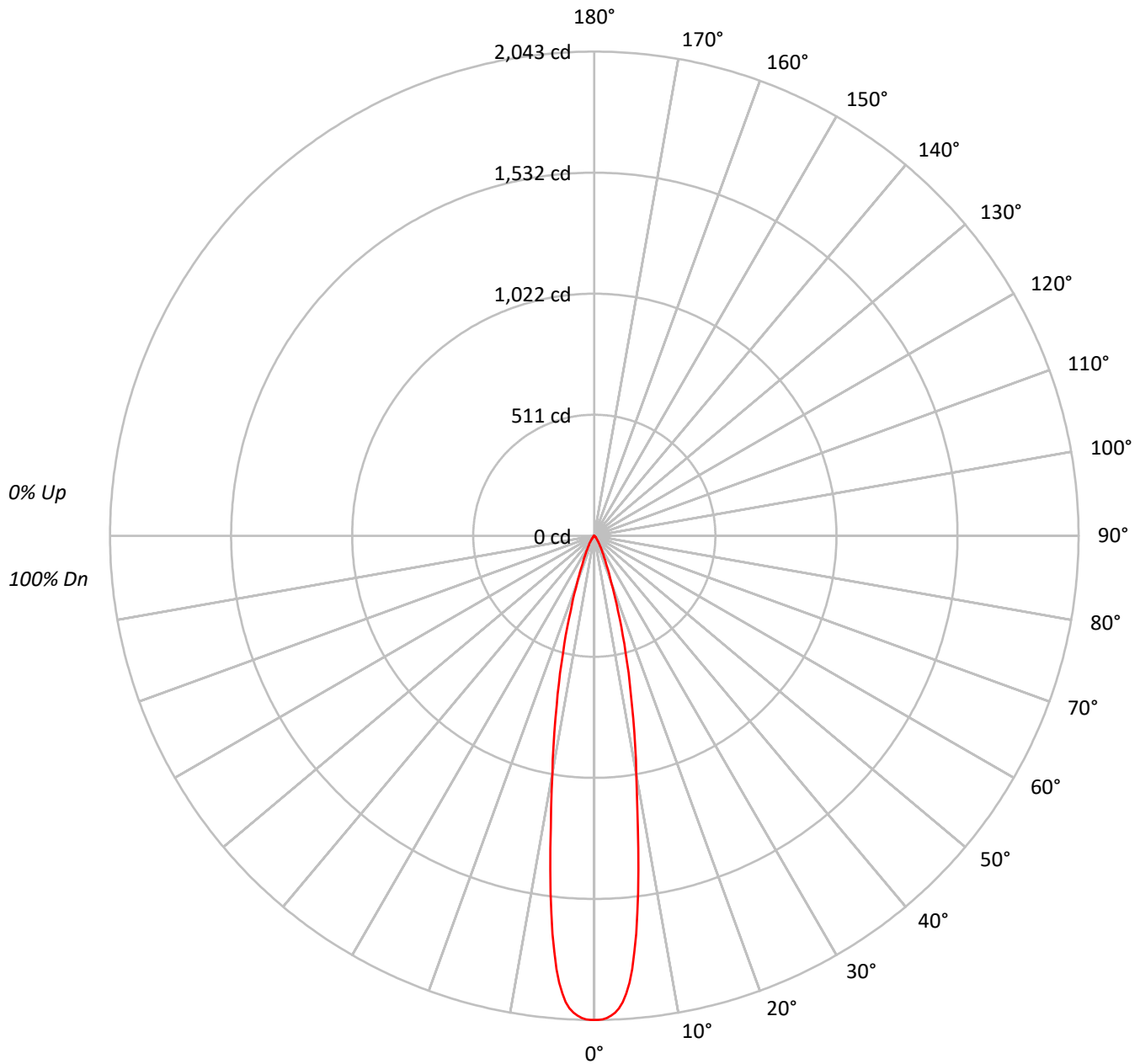
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	86	91	87	85		90	87	84		88
7	96	90	86	83	95	89	86	83	88	85	82		87	84	82		86
8	94	87	83	81	93	87	83	80	86	83	80		85	82	80		84
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		81

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	223231
5°	201402
10°	113032
15°	57462
20°	24324
25°	11236
30°	5942
35°	3201
40°	1712
45°	1004
50°	595
55°	305
60°	197
65°	129
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1004 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	40.5
10°-20°	143.2	39.9
20°-30°	46.8	13.0
30°-40°	15.9	4.4
40°-50°	5.3	1.5
50°-60°	1.6	0.5
60°-70°	0.5	0.1
70°-80°	0.0	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°	335.5	93.5
0°-40°	351.4	97.9
0°-60°	358.4	99.8
0°-90°	358.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	358.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2043	
5°	1836	145
15°	508	143
25°	93	47
35°	24	16
45°	6	5
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2043.1
0.5°	2043.1
1°	2040.6
1.5°	2035.5
2°	2026.2
2.5°	2013.8
3°	1996.4
3.5°	1972.0
4°	1935.8
4.5°	1891.8
5°	1836.3
5.5°	1763.3
6°	1688.5
6.5°	1602.8
7°	1519.0
7.5°	1420.7
8°	1333.0
8.5°	1244.8
9°	1163.3
9.5°	1088.5
10°	1018.8
12.5°	731.6
15°	508.0
17.5°	331.8
20°	209.2
22.5°	135.5
25°	93.2
27.5°	65.5
30°	47.1
32.5°	33.8
35°	24.0
37.5°	16.7
40°	12.0
42.5°	8.7
45°	6.5
47.5°	5.1
50°	3.5
52.5°	2.2
55°	1.6
57.5°	1.3
60°	0.9
62.5°	0.7
65°	0.5



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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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— 0°-180°







67.5°	0.4
70°	0.2



(END OF REPORT)