

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: P757039

Luminaire Tested: LD6D02D010-EU6DR200210IC9050-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757039
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-EU6DR200210IC9050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 329.1 lumens
Efficiency: N/A
Efficacy: 64.5 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): 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



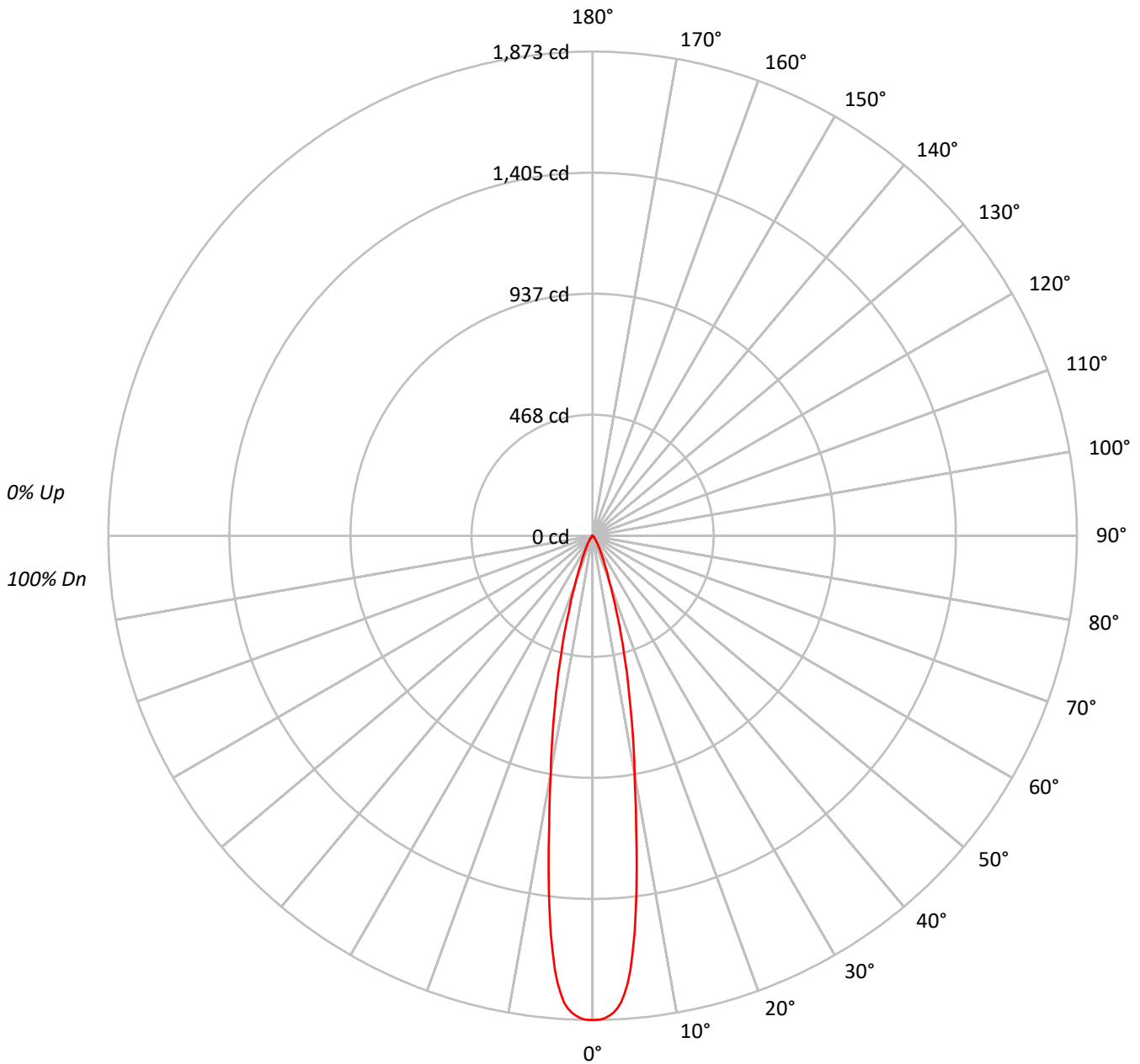
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	204678
5°	184654
10°	103635
15°	52678
20°	22301
25°	10295
30°	5450
35°	2934
40°	1569
45°	927
50°	544
55°	286
60°	175
65°	129
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 927 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	40.5
10°-20°	131.3	39.9
20°-30°	42.9	13.0
30°-40°	14.6	4.4
40°-50°	4.9	1.5
50°-60°	1.5	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°	307.6	93.5
0°-40°	322.2	97.9
0°-60°	328.6	99.8
0°-90°	329.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	329.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1873	
5°	1684	133
15°	466	131
25°	85	43
35°	22	15
45°	6	5
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1873.3
0.5°	1873.3
1°	1871.0
1.5°	1866.3
2°	1857.8
2.5°	1846.4
3°	1830.4
3.5°	1808.1
4°	1774.9
4.5°	1734.5
5°	1683.6
5.5°	1616.7
6°	1548.2
6.5°	1469.6
7°	1392.7
7.5°	1302.6
8°	1222.2
8.5°	1141.3
9°	1066.6
9.5°	998.0
10°	934.1
12.5°	670.7
15°	465.7
17.5°	304.3
20°	191.8
22.5°	124.3
25°	85.4
27.5°	60.1
30°	43.2
32.5°	31.0
35°	22.0
37.5°	15.3
40°	11.0
42.5°	8.0
45°	6.0
47.5°	4.7
50°	3.2
52.5°	2.0
55°	1.5
57.5°	1.2
60°	0.8
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

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°		0.3
70°		0.2

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(END OF REPORT)