

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: P756897

Luminaire Tested: LD6D02D010-EU6DR150210IC9024-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR150210IC9024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 290.1 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
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



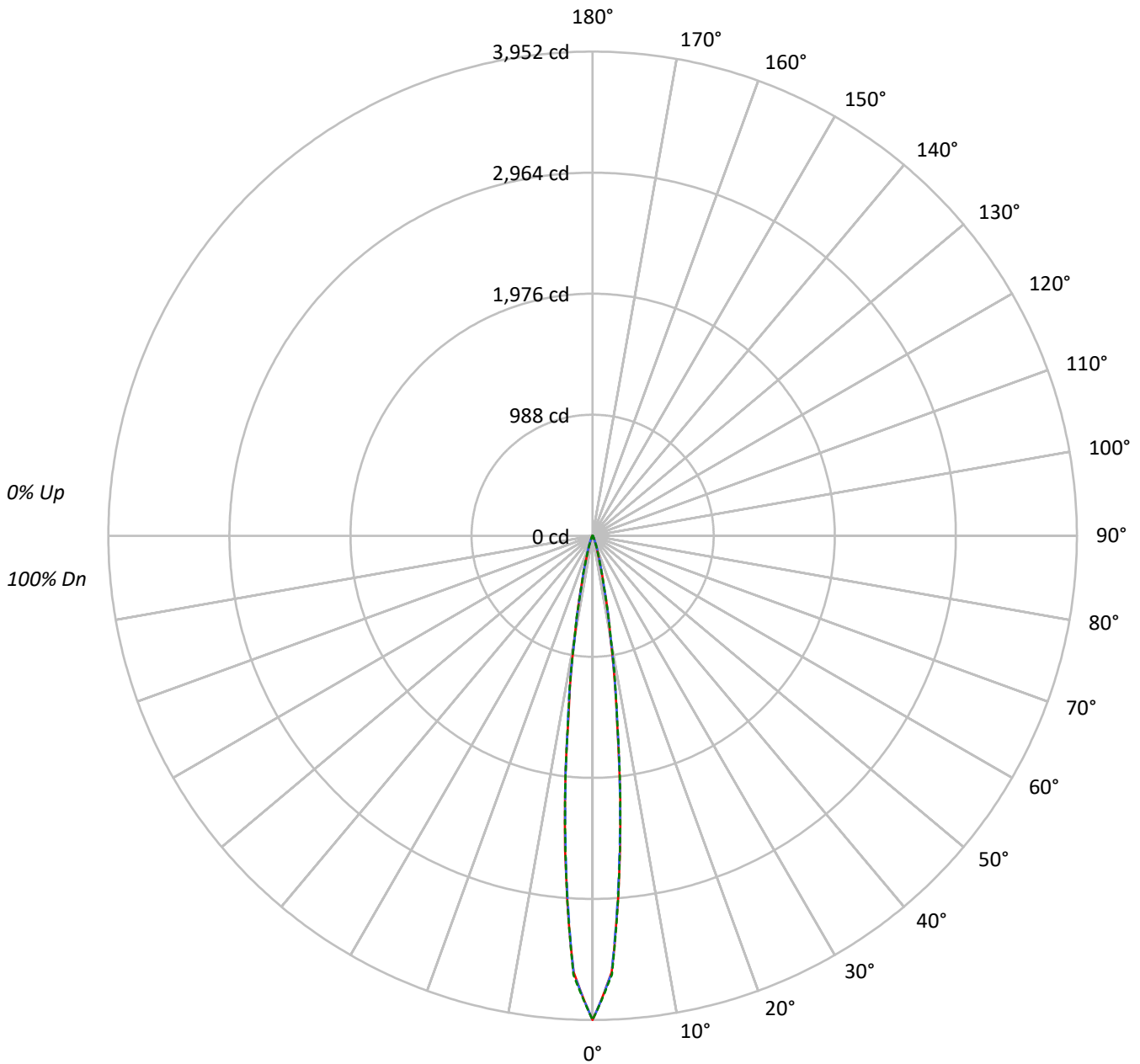
Downlight



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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					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	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98					98			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96					96			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94					94			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93					93			
5	106	101	98	95	104	100	97	95	99	96	94	97	95	93	96	94	92	92					92			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90					90			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89					89			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88					88			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87					87			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86					86			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	444713	444713	444713
5°	261339	257954	259997
10°	77996	78546	79741
15°	19404	19777	19169
20°	5801	6726	5924
25°	2049	2610	2072
30°	749	988	764
35°	378	428	363
40°	234	263	234
45°	175	189	175
50°	139	139	139
55°	118	118	118
60°	91	91	91
65°	71	71	71
70°	59	59	59
75°	38	38	53
80°	24	24	24
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 189 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.1	64.9
10°-20°	77.4	26.7
20°-30°	15.4	5.3
30°-40°	3.8	1.3
40°-50°	2.0	0.7
50°-60°	1.5	0.5
60°-70°	1.1	0.4
70°-80°	0.6	0.2
80°-90°	0.2	0.1
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°	280.9	96.8
0°-40°	284.7	98.2
0°-60°	288.2	99.4
0°-90°	290.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	290.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3952	3952	3952	3952	3952	
5°	2572	2545	2538	2556	2558	188
15°	223	228	228	224	221	77
25°	26	30	34	30	27	14
35°	5	6	6	6	5	4
45°	2	2	3	2	2	2
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3952.3	3952.3	3952.3	3952.3	3952.3
2.5°	3565.2	3568.2	3569.3	3572.9	3585.9
5°	2571.5	2545.0	2538.2	2555.8	2558.3
7.5°	1523.2	1528.6	1548.2	1552.5	1536.8
10°	835.9	842.8	841.8	847.8	854.6
12.5°	427.5	422.1	420.5	427.3	417.8
15°	223.4	227.5	227.7	223.7	220.7
17.5°	120.1	125.0	133.0	126.5	116.5
20°	70.9	75.3	82.2	76.8	72.4
22.5°	43.8	47.4	52.2	48.0	44.5
25°	26.3	29.8	33.5	29.6	26.6
27.5°	15.6	18.6	20.9	18.4	15.4
30°	10.0	11.7	13.2	11.5	10.2
32.5°	7.0	7.7	8.4	7.7	7.0
35°	5.2	5.5	5.9	5.5	5.0
37.5°	4.0	4.4	4.5	4.2	3.8
40°	3.3	3.5	3.7	3.5	3.3
42.5°	2.8	3.0	3.0	3.0	2.8
45°	2.5	2.5	2.7	2.5	2.5
47.5°	2.2	2.2	2.3	2.2	2.2
50°	2.0	2.0	2.0	2.0	2.0
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.3	1.3	1.3	1.3	1.3
62.5°	1.2	1.2	1.2	1.2	1.2
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.5	0.5	0.5	0.5	0.7
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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