

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: P756896

Luminaire Tested: LD6D02D010-EU6DR150210IC9024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756896
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-EU6DR150210IC9024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 276.1 lumens
Efficiency: N/A
Efficacy: 54.1 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

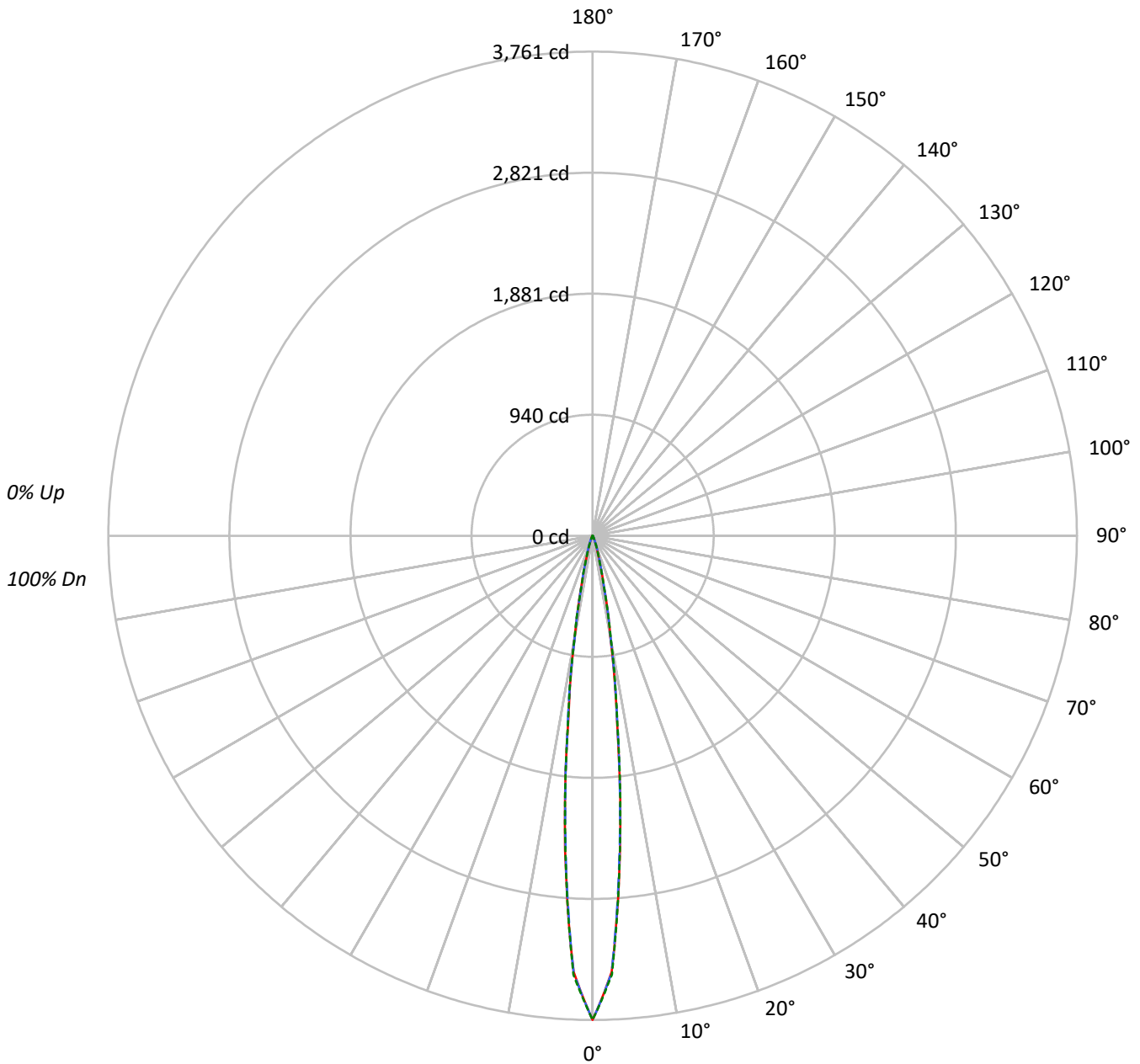


Downlight



TEST NUMBER: P756896
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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																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	93	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	423176	423176	423176
5°	248676	245454	247395
10°	74217	74739	75878
15°	18457	18822	18240
20°	5523	6399	5638
25°	1948	2477	1971
30°	719	944	726
35°	356	407	349
40°	227	249	227
45°	168	175	168
50°	132	132	132
55°	111	111	111
60°	91	91	91
65°	71	71	71
70°	59	59	59
75°	38	38	45
80°	24	24	24
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 175 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.0	64.8
10°-20°	73.6	26.7
20°-30°	14.6	5.3
30°-40°	3.7	1.3
40°-50°	1.9	0.7
50°-60°	1.4	0.5
60°-70°	1.0	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°	267.3	96.8
0°-40°	270.9	98.1
0°-60°	274.3	99.4
0°-90°	276.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	276.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3761	3761	3761	3761	3761	
5°	2447	2422	2415	2432	2434	179
15°	212	216	217	213	210	73
25°	25	28	32	28	25	13
35°	5	5	6	5	5	3
45°	2	2	2	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°	3760.9	3760.9	3760.9	3760.9	3760.9
2.5°	3392.5	3395.3	3396.4	3399.8	3412.2
5°	2446.9	2421.8	2415.2	2431.9	2434.3
7.5°	1449.5	1454.5	1473.2	1477.3	1462.3
10°	795.4	801.9	801.0	806.7	813.2
12.5°	406.8	401.7	400.1	406.6	397.5
15°	212.5	216.5	216.7	212.9	210.0
17.5°	114.3	118.9	126.6	120.4	110.8
20°	67.5	71.6	78.2	73.1	68.9
22.5°	41.7	45.1	49.7	45.7	42.4
25°	25.0	28.3	31.8	28.2	25.3
27.5°	14.8	17.7	19.9	17.5	14.6
30°	9.6	11.1	12.6	11.0	9.7
32.5°	6.7	7.3	8.0	7.3	6.7
35°	4.9	5.3	5.6	5.3	4.8
37.5°	3.8	4.1	4.3	4.0	3.7
40°	3.2	3.3	3.5	3.3	3.2
42.5°	2.7	2.9	2.9	2.9	2.7
45°	2.4	2.4	2.5	2.4	2.4
47.5°	2.1	2.1	2.2	2.1	2.1
50°	1.9	1.9	1.9	1.9	1.9
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.3	1.3	1.3	1.3	1.3
62.5°	1.1	1.1	1.1	1.1	1.1
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°	0.6	0.6	0.6	0.6	0.6
75°	0.5	0.5	0.5	0.5	0.6
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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(END OF REPORT)