

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: P756962

Luminaire Tested: LD6D02D010-EU6DR150210IC9050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756962
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-EU6DR150210IC9050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 356.4 lumens
Efficiency: N/A
Efficacy: 69.9 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

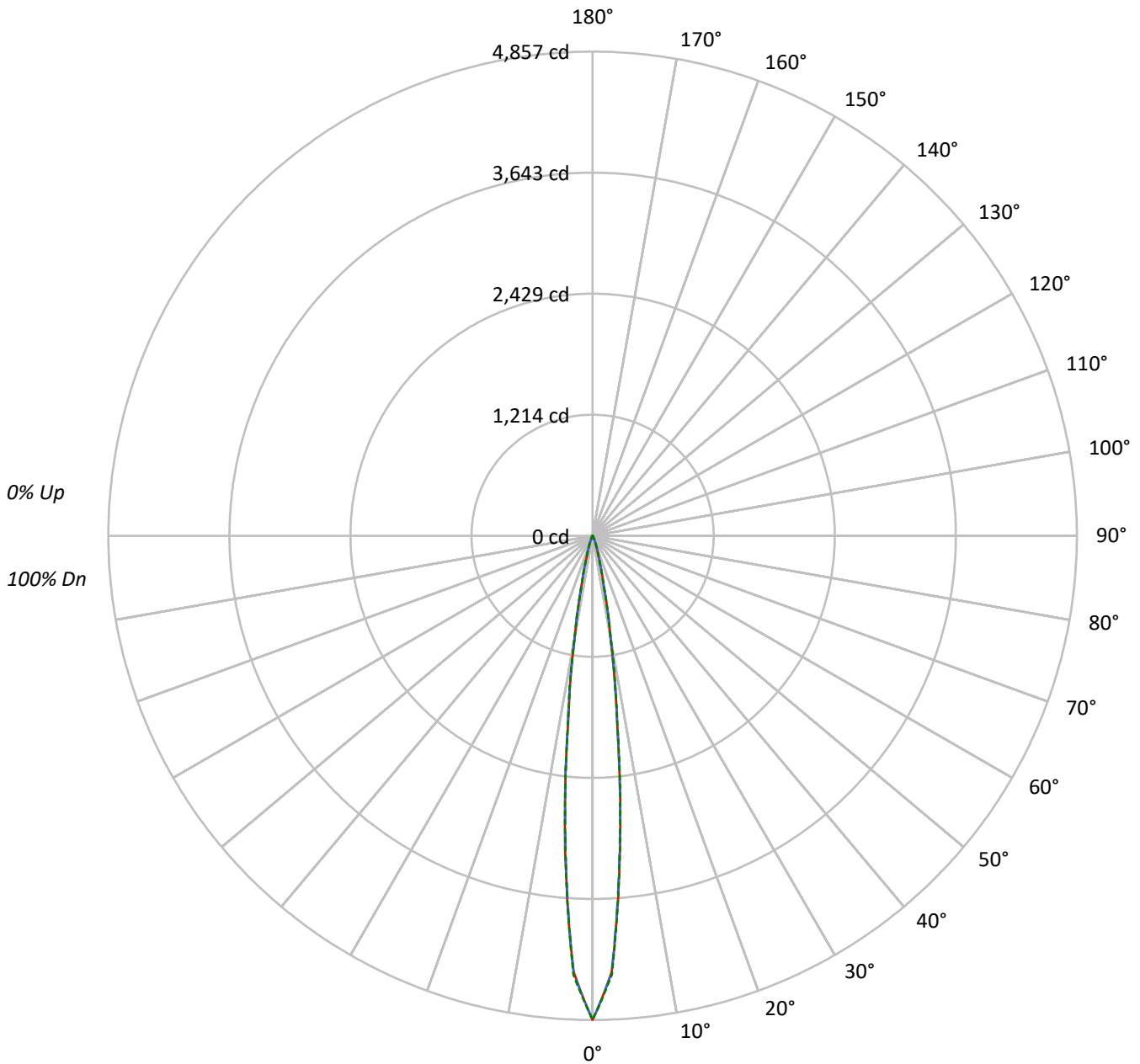


Downlight



TEST NUMBER: P756962
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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°	546487	546487	546487
5°	321137	316981	319491
10°	95846	96517	97992
15°	23842	24303	23556
20°	7135	8264	7282
25°	2516	3202	2547
30°	921	1213	936
35°	465	523	450
40°	291	320	291
45°	217	231	217
50°	174	174	174
55°	146	146	146
60°	112	112	112
65°	86	86	86
70°	73	73	73
75°	45	45	60
80°	32	32	32
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 231 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.2	64.9
10°-20°	95.1	26.7
20°-30°	18.9	5.3
30°-40°	4.7	1.3
40°-50°	2.5	0.7
50°-60°	1.9	0.5
60°-70°	1.3	0.4
70°-80°	0.7	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°	345.2	96.8
0°-40°	349.9	98.2
0°-60°	354.2	99.4
0°-90°	356.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	356.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4857	4857	4857	4857	4857	
5°	3160	3127	3119	3141	3144	231
15°	274	280	280	275	271	94
25°	32	37	41	36	33	17
35°	6	7	7	7	6	4
45°	3	3	3	3	3	2
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	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°	4856.8	4856.8	4856.8	4856.8	4856.8
2.5°	4381.0	4384.7	4386.1	4390.4	4406.5
5°	3159.9	3127.4	3119.0	3140.6	3143.7
7.5°	1871.8	1878.4	1902.4	1907.8	1888.5
10°	1027.2	1035.6	1034.4	1041.8	1050.2
12.5°	525.3	518.7	516.7	525.1	513.4
15°	274.5	279.6	279.8	274.9	271.2
17.5°	147.6	153.6	163.5	155.4	143.1
20°	87.2	92.5	101.0	94.4	89.0
22.5°	53.9	58.2	64.1	59.0	54.7
25°	32.3	36.6	41.1	36.4	32.7
27.5°	19.1	22.8	25.7	22.6	18.9
30°	12.3	14.4	16.2	14.2	12.5
32.5°	8.6	9.5	10.3	9.5	8.6
35°	6.4	6.8	7.2	6.8	6.2
37.5°	4.9	5.3	5.6	5.1	4.7
40°	4.1	4.3	4.5	4.3	4.1
42.5°	3.5	3.7	3.7	3.7	3.5
45°	3.1	3.1	3.3	3.1	3.1
47.5°	2.7	2.7	2.9	2.7	2.7
50°	2.5	2.5	2.5	2.5	2.5
52.5°	2.3	2.3	2.3	2.3	2.3
55°	2.1	2.1	2.1	2.1	2.1
57.5°	1.9	1.9	1.9	1.9	1.9
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.2	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.6	0.6	0.6	0.6	0.8
77.5°	0.6	0.6	0.6	0.6	0.6
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
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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