

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: P756922

Luminaire Tested: LD6D02D010-EU6DR150210IC9030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756922
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-EU6DR150210IC9030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 316.4 lumens
Efficiency: N/A
Efficacy: 62.0 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



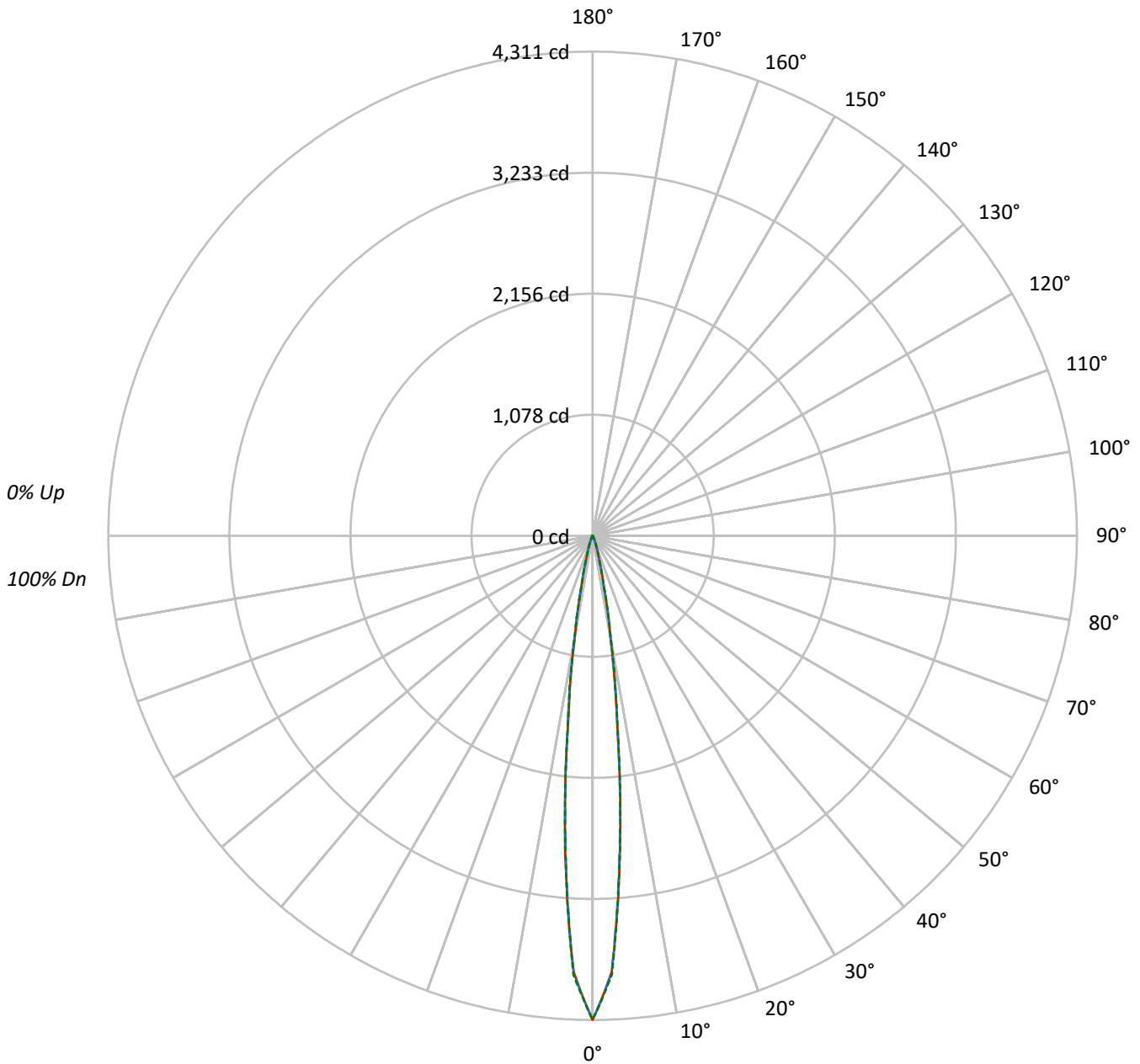
Downlight



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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									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	94	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	88	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°	485051	485051	485051
5°	285039	281349	283575
10°	85069	85666	86981
15°	21158	21575	20906
20°	6333	7331	6464
25°	2236	2843	2259
30°	816	1078	831
35°	414	465	399
40°	256	284	256
45°	189	203	189
50°	153	153	153
55°	125	125	125
60°	105	105	105
65°	79	79	79
70°	66	66	66
75°	38	38	53
80°	32	32	32
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 203 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.2	64.9
10°-20°	84.4	26.7
20°-30°	16.8	5.3
30°-40°	4.2	1.3
40°-50°	2.2	0.7
50°-60°	1.6	0.5
60°-70°	1.2	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°	306.4	96.8
0°-40°	310.6	98.2
0°-60°	314.4	99.4
0°-90°	316.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	316.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4311	4311	4311	4311	4311	
5°	2805	2776	2768	2788	2790	205
15°	244	248	248	244	241	84
25°	29	32	36	32	29	15
35°	6	6	6	6	6	4
45°	3	3	3	3	3	2
55°	2	2	2	2	2	2
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°	4310.8	4310.8	4310.8	4310.8	4310.8
2.5°	3888.5	3891.8	3893.1	3896.9	3911.1
5°	2804.7	2775.9	2768.4	2787.5	2790.3
7.5°	1661.4	1667.2	1688.6	1693.3	1676.2
10°	911.7	919.2	918.1	924.7	932.2
12.5°	466.3	460.4	458.6	466.1	455.7
15°	243.6	248.2	248.4	244.0	240.7
17.5°	131.0	136.3	145.1	138.0	127.0
20°	77.4	82.1	89.6	83.8	79.0
22.5°	47.8	51.6	56.9	52.4	48.5
25°	28.7	32.5	36.5	32.3	29.0
27.5°	17.0	20.3	22.8	20.1	16.8
30°	10.9	12.8	14.4	12.6	11.1
32.5°	7.7	8.4	9.1	8.4	7.7
35°	5.7	6.0	6.4	6.0	5.5
37.5°	4.4	4.7	4.9	4.6	4.2
40°	3.6	3.8	4.0	3.8	3.6
42.5°	3.1	3.3	3.3	3.3	3.1
45°	2.7	2.7	2.9	2.7	2.7
47.5°	2.4	2.4	2.6	2.4	2.4
50°	2.2	2.2	2.2	2.2	2.2
52.5°	2.0	2.0	2.0	2.0	2.0
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.9	0.9	0.9	0.9	0.9
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°	0.4	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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