

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: P761206

Luminaire Tested: LD6D15D010-EU6DR300215IC9035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR300215IC9035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1314.8 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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



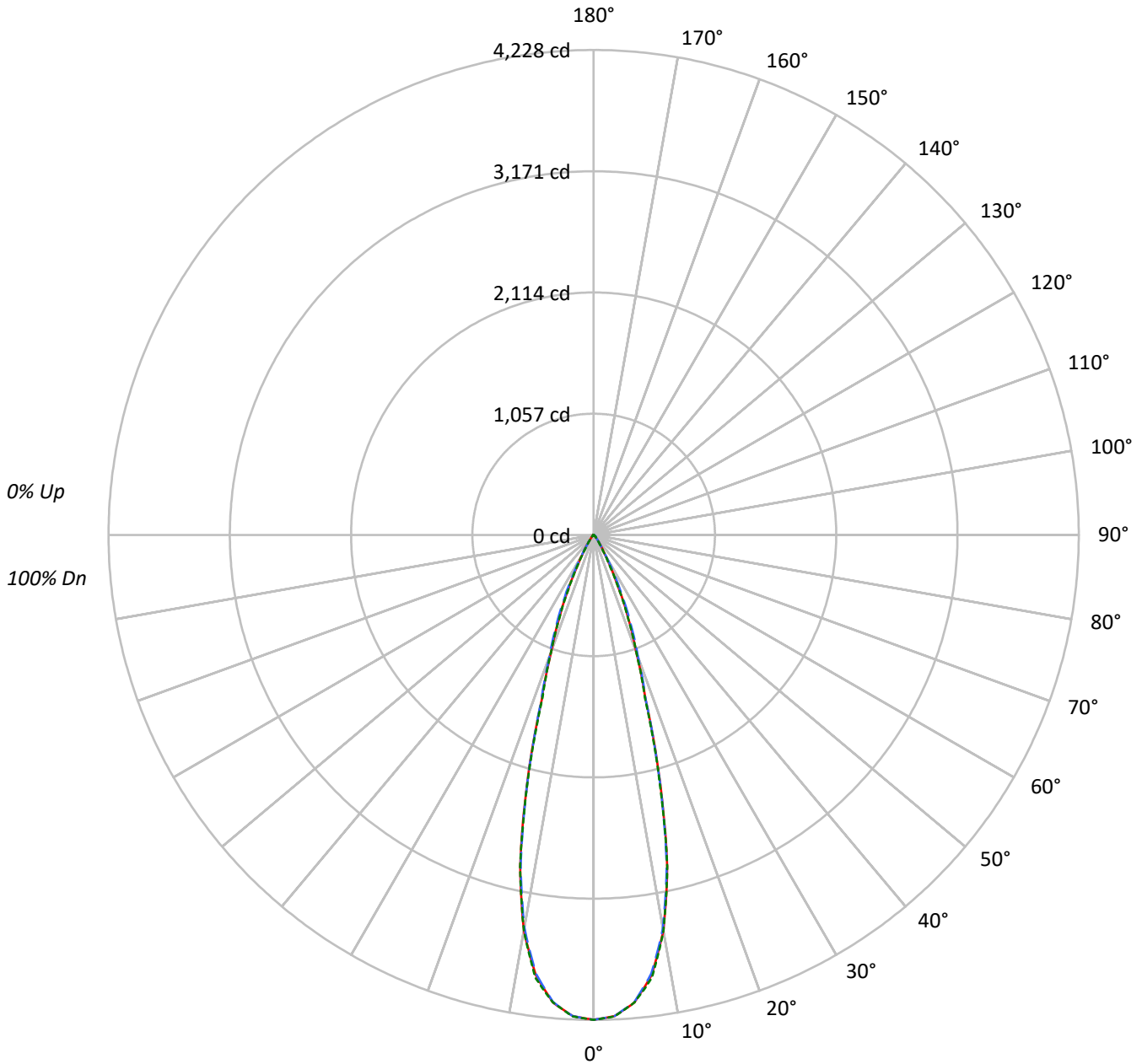
Downlight



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	323587	323587	323587
5°	314297	313936	314320
10°	272237	270309	272167
15°	177617	176666	175778
20°	88323	91638	88200
25°	44492	50167	43579
30°	17818	19409	15520
35°	8260	7915	6634
40°	3567	3957	3357
45°	2522	3128	2533
50°	869	2274	917
55°	494	934	534
60°	352	413	352
65°	235	235	235
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3128 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.7	28.3
10°-20°	598.7	45.5
20°-30°	258.7	19.7
30°-40°	59.0	4.5
40°-50°	20.3	1.5
50°-60°	4.9	0.4
60°-70°	1.3	0.1
70°-80°	0.1	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°	1229.2	93.5
0°-40°	1288.1	98.0
0°-60°	1313.3	99.9
0°-90°	1314.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1314.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4228	4228	4228	4228	4228	
5°	4090	4087	4086	4094	4091	372
15°	2241	2214	2229	2222	2218	600
25°	527	547	594	533	516	252
35°	88	90	85	84	71	60
45°	23	29	29	29	23	17
55°	4	4	7	4	4	4
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
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°	4227.5	4227.5	4227.5	4227.5	4227.5
2.5°	4199.5	4196.6	4198.3	4200.4	4201.2
5°	4090.5	4086.6	4085.8	4094.3	4090.8
7.5°	3870.7	3865.1	3856.6	3876.0	3894.0
10°	3502.6	3496.3	3477.8	3487.0	3501.7
12.5°	2958.9	2938.8	2938.4	2967.4	2963.5
15°	2241.4	2214.5	2229.4	2222.1	2218.2
17.5°	1507.3	1496.9	1516.8	1510.8	1484.9
20°	1084.3	1087.0	1125.0	1105.9	1082.8
22.5°	791.2	801.0	846.0	796.8	778.8
25°	526.8	546.7	594.0	532.8	516.0
27.5°	324.0	333.1	381.1	319.8	310.7
30°	201.6	197.0	219.6	188.4	175.6
32.5°	132.2	126.4	133.7	120.0	109.6
35°	88.4	90.3	84.7	84.1	71.0
37.5°	55.2	63.5	56.0	59.8	45.7
40°	35.7	46.1	39.6	43.8	33.6
42.5°	29.3	35.5	32.6	34.7	29.9
45°	23.3	28.9	28.9	28.9	23.4
47.5°	12.9	19.3	24.7	19.7	13.7
50°	7.3	9.7	19.1	10.2	7.7
52.5°	5.0	5.6	13.1	5.8	5.2
55°	3.7	4.0	7.0	4.1	4.0
57.5°	2.9	3.1	3.7	3.1	2.9
60°	2.3	2.3	2.7	2.5	2.3
62.5°	1.7	1.7	1.9	1.7	1.7
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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