

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: P760965

Luminaire Tested: LD6D15D010-EU6DR1515309030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760965
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: LD6D15D010-EU6DR1515309030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1291.5 lumens
Efficiency: N/A
Efficacy: 81.7 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): 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

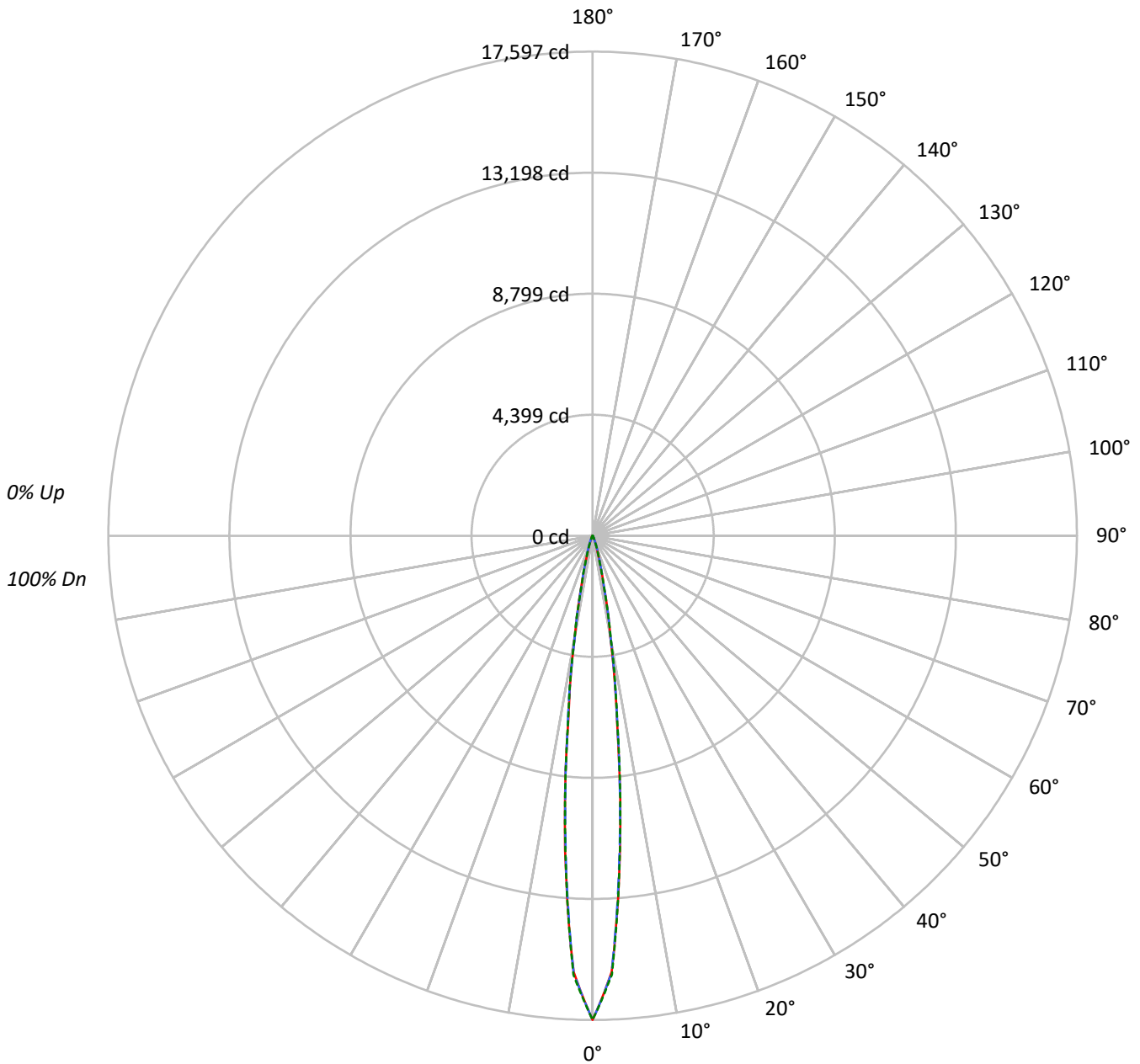


Downlight



TEST NUMBER: P760965
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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°	1979969	1979969	1979969
5°	1163519	1148457	1157543
10°	347254	349689	355045
15°	86379	88055	85346
20°	25840	29931	26396
25°	9114	11607	9223
30°	3347	4403	3400
35°	1678	1895	1619
40°	1058	1165	1058
45°	784	833	784
50°	619	619	619
55°	515	515	515
60°	421	421	421
65°	321	321	321
70°	271	271	271
75°	166	166	227
80°	118	118	118
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 833 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	837.6	64.9
10°-20°	344.5	26.7
20°-30°	68.4	5.3
30°-40°	17.1	1.3
40°-50°	9.0	0.7
50°-60°	6.6	0.5
60°-70°	4.7	0.4
70°-80°	2.7	0.2
80°-90°	0.8	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°	1250.6	96.8
0°-40°	1267.7	98.2
0°-60°	1283.3	99.4
0°-90°	1291.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1291.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17597	17597	17597	17597	17597	
5°	11449	11331	11300	11379	11390	836
15°	994	1013	1014	996	983	341
25°	117	133	149	132	118	61
35°	23	25	26	25	22	16
45°	11	11	12	11	11	9
55°	7	7	7	7	7	7
65°	4	4	4	4	4	5
75°	2	2	2	2	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17596.6	17596.6	17596.6	17596.6	17596.6
2.5°	15872.8	15886.2	15891.5	15907.1	15965.2
5°	11448.7	11331.0	11300.5	11378.7	11389.9
7.5°	6781.8	6805.6	6892.8	6912.1	6842.1
10°	3721.6	3752.2	3747.7	3774.5	3805.1
12.5°	1903.3	1879.4	1872.0	1902.5	1860.1
15°	994.5	1013.1	1013.8	996.0	982.6
17.5°	534.9	556.5	592.2	563.2	518.5
20°	315.8	335.2	365.8	341.9	322.6
22.5°	195.2	210.8	232.4	213.8	198.1
25°	117.0	132.6	149.0	131.9	118.4
27.5°	69.3	82.7	93.1	81.9	68.5
30°	44.7	52.1	58.8	51.4	45.4
32.5°	31.3	34.3	37.2	34.3	31.3
35°	23.1	24.6	26.1	24.6	22.3
37.5°	17.9	19.4	20.1	18.6	17.1
40°	14.9	15.6	16.4	15.6	14.9
42.5°	12.7	13.4	13.4	13.4	12.7
45°	11.2	11.2	11.9	11.2	11.2
47.5°	9.7	9.7	10.4	9.7	9.7
50°	8.9	8.9	8.9	8.9	8.9
52.5°	8.2	8.2	8.2	8.2	8.2
55°	7.4	7.4	7.4	7.4	7.4
57.5°	6.7	6.7	6.7	6.7	6.7
60°	6.0	6.0	6.0	6.0	6.0
62.5°	5.2	5.2	5.2	5.2	5.2
65°	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5
70°	3.7	3.7	3.7	3.7	3.7
72.5°	3.0	3.0	3.0	3.0	3.0
75°	2.2	2.2	2.2	2.2	3.0
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7
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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