

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: P759986

Luminaire Tested: LD6D10D010-EU6DR150210IC9040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759986
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: LD6D10D010-EU6DR150210IC9040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1125.0 lumens
Efficiency: N/A
Efficacy: 96.2 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): 11.7
Input Voltage (V): NR
Input Current (A_{in}): 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

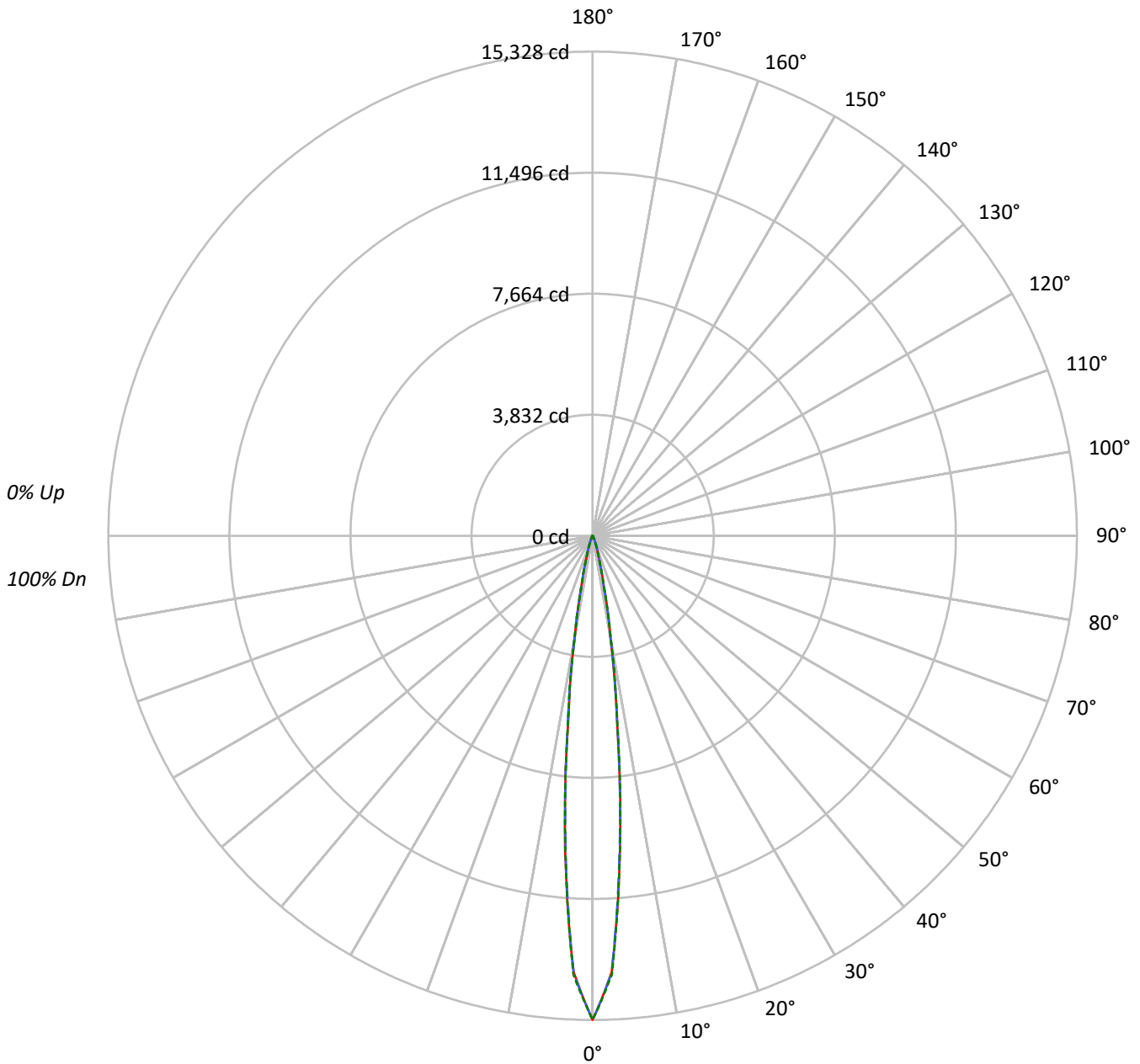


Downlight



TEST NUMBER: P759986
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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	99	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°	1724740	1724740	1724740
5°	1013545	1000415	1008331
10°	302494	304612	309277
15°	75244	76712	74341
20°	22509	26069	22992
25°	7938	10112	8039
30°	2913	3841	2965
35°	1460	1648	1416
40°	923	1016	923
45°	679	728	679
50°	542	542	542
55°	452	452	452
60°	365	365	365
65°	278	278	278
70°	234	234	234
75°	144	144	197
80°	102	102	102
85°	50	50	50

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 728 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	729.7	64.9
10°-20°	300.1	26.7
20°-30°	59.6	5.3
30°-40°	14.9	1.3
40°-50°	7.8	0.7
50°-60°	5.8	0.5
60°-70°	4.1	0.4
70°-80°	2.3	0.2
80°-90°	0.7	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°	1089.4	96.8
0°-40°	1104.3	98.2
0°-60°	1117.9	99.4
0°-90°	1125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1125.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15328	15328	15328	15328	15328	
5°	9973	9870	9844	9912	9922	728
15°	866	882	883	868	856	297
25°	102	116	130	115	103	53
35°	20	21	23	21	20	14
45°	10	10	10	10	10	8
55°	6	6	6	6	6	6
65°	4	4	4	4	4	4
75°	2	2	2	2	3	2
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°	15328.3	15328.3	15328.3	15328.3	15328.3
2.5°	13826.8	13838.5	13843.0	13856.6	13907.3
5°	9973.0	9870.4	9843.8	9912.0	9921.7
7.5°	5907.6	5928.4	6004.3	6021.2	5960.2
10°	3241.9	3268.5	3264.6	3288.0	3314.6
12.5°	1657.9	1637.2	1630.7	1657.3	1620.3
15°	866.3	882.5	883.2	867.6	855.9
17.5°	465.9	484.7	515.9	490.6	451.6
20°	275.1	292.0	318.6	297.8	281.0
22.5°	170.0	183.6	202.5	186.2	172.6
25°	101.9	115.5	129.8	114.9	103.2
27.5°	60.3	72.0	81.1	71.4	59.7
30°	38.9	45.4	51.3	44.8	39.6
32.5°	27.3	29.8	32.4	29.8	27.3
35°	20.1	21.4	22.7	21.4	19.5
37.5°	15.6	16.9	17.5	16.2	14.9
40°	13.0	13.6	14.3	13.6	13.0
42.5°	11.0	11.7	11.7	11.7	11.0
45°	9.7	9.7	10.4	9.7	9.7
47.5°	8.4	8.4	9.1	8.4	8.4
50°	7.8	7.8	7.8	7.8	7.8
52.5°	7.1	7.1	7.1	7.1	7.1
55°	6.5	6.5	6.5	6.5	6.5
57.5°	5.8	5.8	5.8	5.8	5.8
60°	5.2	5.2	5.2	5.2	5.2
62.5°	4.5	4.5	4.5	4.5	4.5
65°	3.9	3.9	3.9	3.9	3.9
67.5°	3.9	3.9	3.9	3.9	3.9
70°	3.2	3.2	3.2	3.2	3.2
72.5°	2.6	2.6	2.6	2.6	2.6
75°	1.9	1.9	1.9	1.9	2.6
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.6	0.6	0.6	0.6	0.6
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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