

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: P759979

Luminaire Tested: LD6D10D010-EU6DR150210IC9040-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759979
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-EU6DR150210IC9040-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1042.7 lumens
Efficiency: N/A
Efficacy: 89.1 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 (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



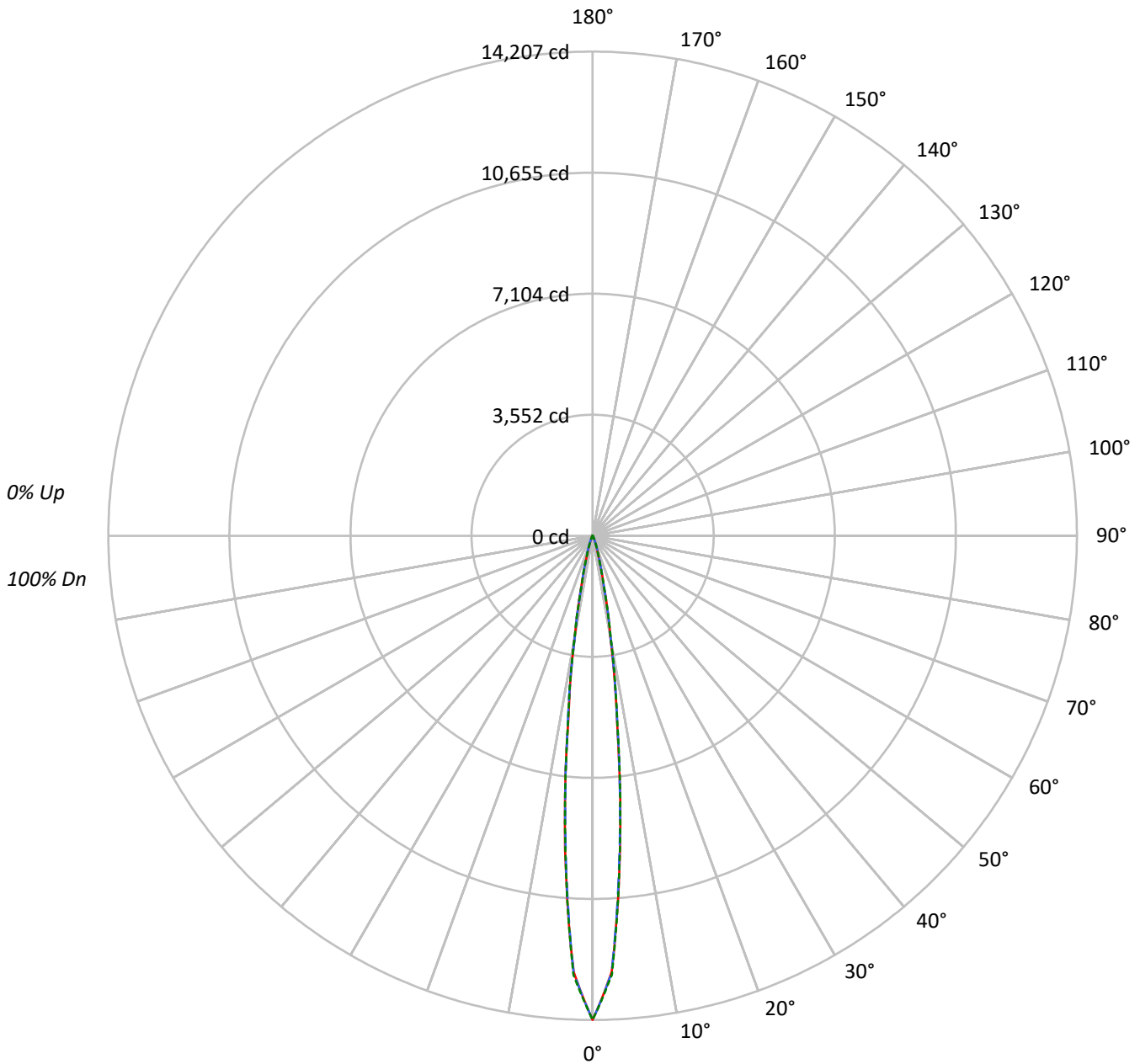
Downlight



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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°	1598548	1598548	1598548
5°	939376	927221	934549
10°	280361	282321	286650
15°	69737	71092	68904
20°	20865	24162	21307
25°	7354	9371	7447
30°	2703	3557	2748
35°	1351	1525	1307
40°	852	937	852
45°	630	672	630
50°	501	501	501
55°	418	418	418
60°	337	337	337
65°	257	257	257
70°	219	219	219
75°	136	136	181
80°	95	95	95
85°	50	50	50

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 672 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.3	64.9
10°-20°	278.2	26.7
20°-30°	55.3	5.3
30°-40°	13.8	1.3
40°-50°	7.2	0.7
50°-60°	5.4	0.5
60°-70°	3.8	0.4
70°-80°	2.2	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°	1009.7	96.8
0°-40°	1023.5	98.2
0°-60°	1036.1	99.4
0°-90°	1042.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1042.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14207	14207	14207	14207	14207	
5°	9243	9148	9124	9187	9196	675
15°	803	818	818	804	793	275
25°	94	107	120	106	96	50
35°	19	20	21	20	18	13
45°	9	9	10	9	9	7
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	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°	14206.8	14206.8	14206.8	14206.8	14206.8
2.5°	12815.1	12825.9	12830.1	12842.7	12889.6
5°	9243.2	9148.2	9123.6	9186.7	9195.7
7.5°	5475.3	5494.6	5564.9	5580.6	5524.0
10°	3004.7	3029.4	3025.7	3047.4	3072.1
12.5°	1536.6	1517.4	1511.4	1536.0	1501.7
15°	802.9	817.9	818.5	804.1	793.3
17.5°	431.8	449.3	478.1	454.7	418.6
20°	255.0	270.6	295.3	276.1	260.4
22.5°	157.6	170.2	187.6	172.6	160.0
25°	94.4	107.1	120.3	106.5	95.6
27.5°	55.9	66.8	75.2	66.2	55.3
30°	36.1	42.1	47.5	41.5	36.7
32.5°	25.3	27.7	30.1	27.7	25.3
35°	18.6	19.8	21.0	19.8	18.0
37.5°	14.4	15.6	16.2	15.0	13.8
40°	12.0	12.6	13.2	12.6	12.0
42.5°	10.2	10.8	10.8	10.8	10.2
45°	9.0	9.0	9.6	9.0	9.0
47.5°	7.8	7.8	8.4	7.8	7.8
50°	7.2	7.2	7.2	7.2	7.2
52.5°	6.6	6.6	6.6	6.6	6.6
55°	6.0	6.0	6.0	6.0	6.0
57.5°	5.4	5.4	5.4	5.4	5.4
60°	4.8	4.8	4.8	4.8	4.8
62.5°	4.2	4.2	4.2	4.2	4.2
65°	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	3.0	3.0	3.0	3.0	3.0
72.5°	2.4	2.4	2.4	2.4	2.4
75°	1.8	1.8	1.8	1.8	2.4
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
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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