

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: P786292

Luminaire Tested: LERS6D10D010-EC6DR150210IC9024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786292
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: LERS6D10D010-EC6DR150210IC9024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 904.7 lumens
Efficiency: N/A
Efficacy: 77.3 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

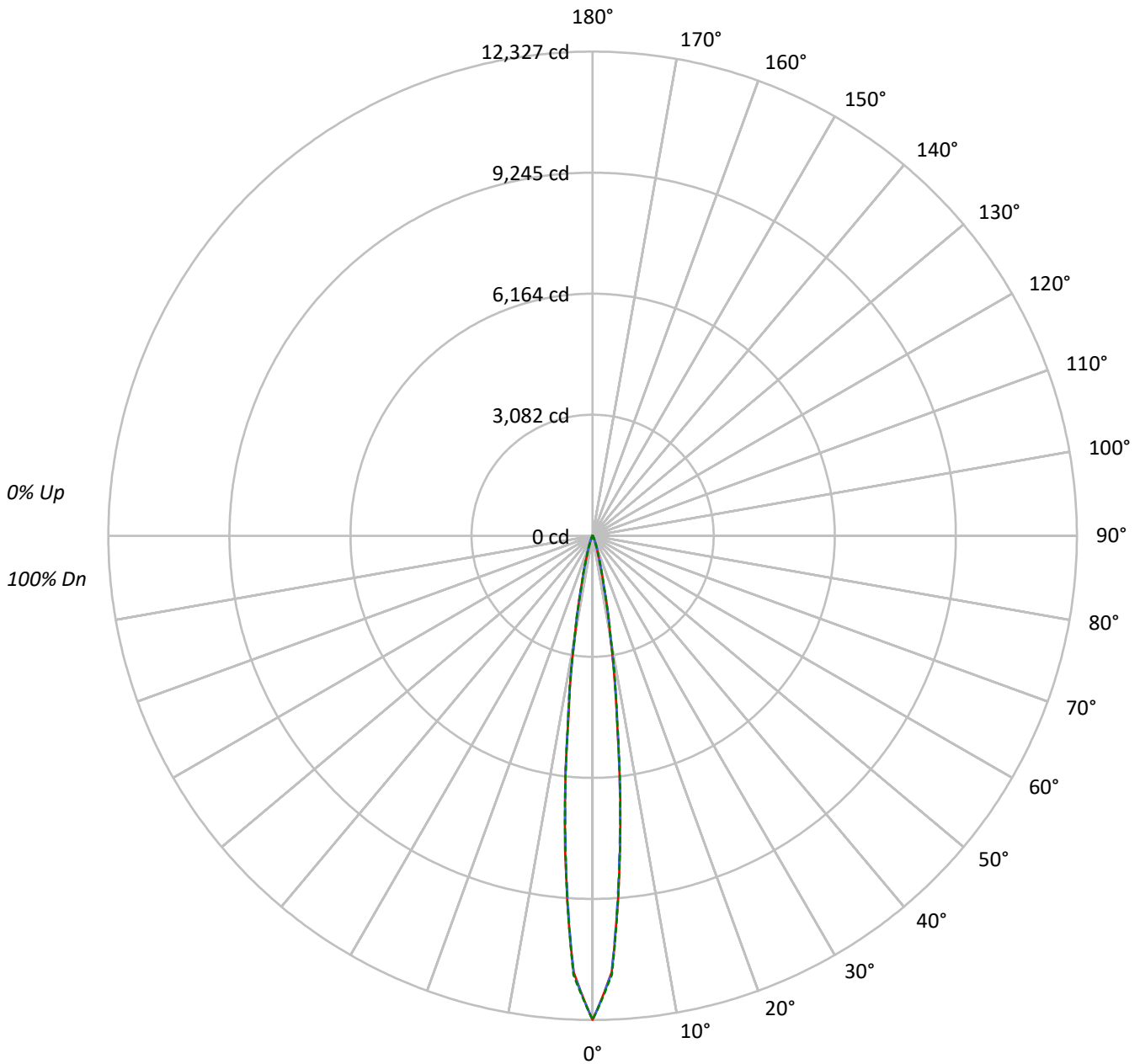


Downlight

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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1387011	1387011	1387011
5°	815074	804525	810887
10°	243262	244970	248711
15°	60513	61686	59784
20°	18107	20963	18492
25°	6380	8133	6466
30°	2344	3085	2381
35°	1176	1329	1140
40°	739	817	739
45°	546	581	546
50°	438	438	438
55°	362	362	362
60°	295	295	295
65°	221	221	221
70°	190	190	190
75°	121	121	159
80°	79	79	79
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 581 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.8	64.9
10°-20°	241.4	26.7
20°-30°	47.9	5.3
30°-40°	12.0	1.3
40°-50°	6.3	0.7
50°-60°	4.7	0.5
60°-70°	3.3	0.4
70°-80°	1.9	0.2
80°-90°	0.5	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°	876.1	96.8
0°-40°	888.0	98.2
0°-60°	899.0	99.4
0°-90°	904.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	904.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12327	12327	12327	12327	12327	
5°	8020	7938	7916	7971	7979	586
15°	697	710	710	698	688	239
25°	82	93	104	92	83	43
35°	16	17	18	17	16	11
45°	8	8	8	8	8	6
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12326.8	12326.8	12326.8	12326.8	12326.8
2.5°	11119.3	11128.7	11132.3	11143.3	11184.0
5°	8020.1	7937.7	7916.3	7971.1	7978.9
7.5°	4750.8	4767.5	4828.6	4842.1	4793.1
10°	2607.1	2628.5	2625.4	2644.1	2665.5
12.5°	1333.3	1316.6	1311.4	1332.8	1303.0
15°	696.7	709.7	710.2	697.7	688.3
17.5°	374.7	389.8	414.9	394.5	363.2
20°	221.3	234.8	256.2	239.5	226.0
22.5°	136.7	147.7	162.8	149.8	138.8
25°	81.9	92.9	104.4	92.4	83.0
27.5°	48.5	57.9	65.2	57.4	48.0
30°	31.3	36.5	41.2	36.0	31.8
32.5°	21.9	24.0	26.1	24.0	21.9
35°	16.2	17.2	18.3	17.2	15.7
37.5°	12.5	13.6	14.1	13.0	12.0
40°	10.4	11.0	11.5	11.0	10.4
42.5°	8.9	9.4	9.4	9.4	8.9
45°	7.8	7.8	8.3	7.8	7.8
47.5°	6.8	6.8	7.3	6.8	6.8
50°	6.3	6.3	6.3	6.3	6.3
52.5°	5.7	5.7	5.7	5.7	5.7
55°	5.2	5.2	5.2	5.2	5.2
57.5°	4.7	4.7	4.7	4.7	4.7
60°	4.2	4.2	4.2	4.2	4.2
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.1	3.1	3.1	3.1	3.1
67.5°	3.1	3.1	3.1	3.1	3.1
70°	2.6	2.6	2.6	2.6	2.6
72.5°	2.1	2.1	2.1	2.1	2.1
75°	1.6	1.6	1.6	1.6	2.1
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
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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