

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: P788833

Luminaire Tested: LER6D10D010-EC6DR150210IC9040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788833
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: LER6D10D010-EC6DR150210IC9040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1195.7 lumens
Efficiency: N/A
Efficacy: 102.2 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

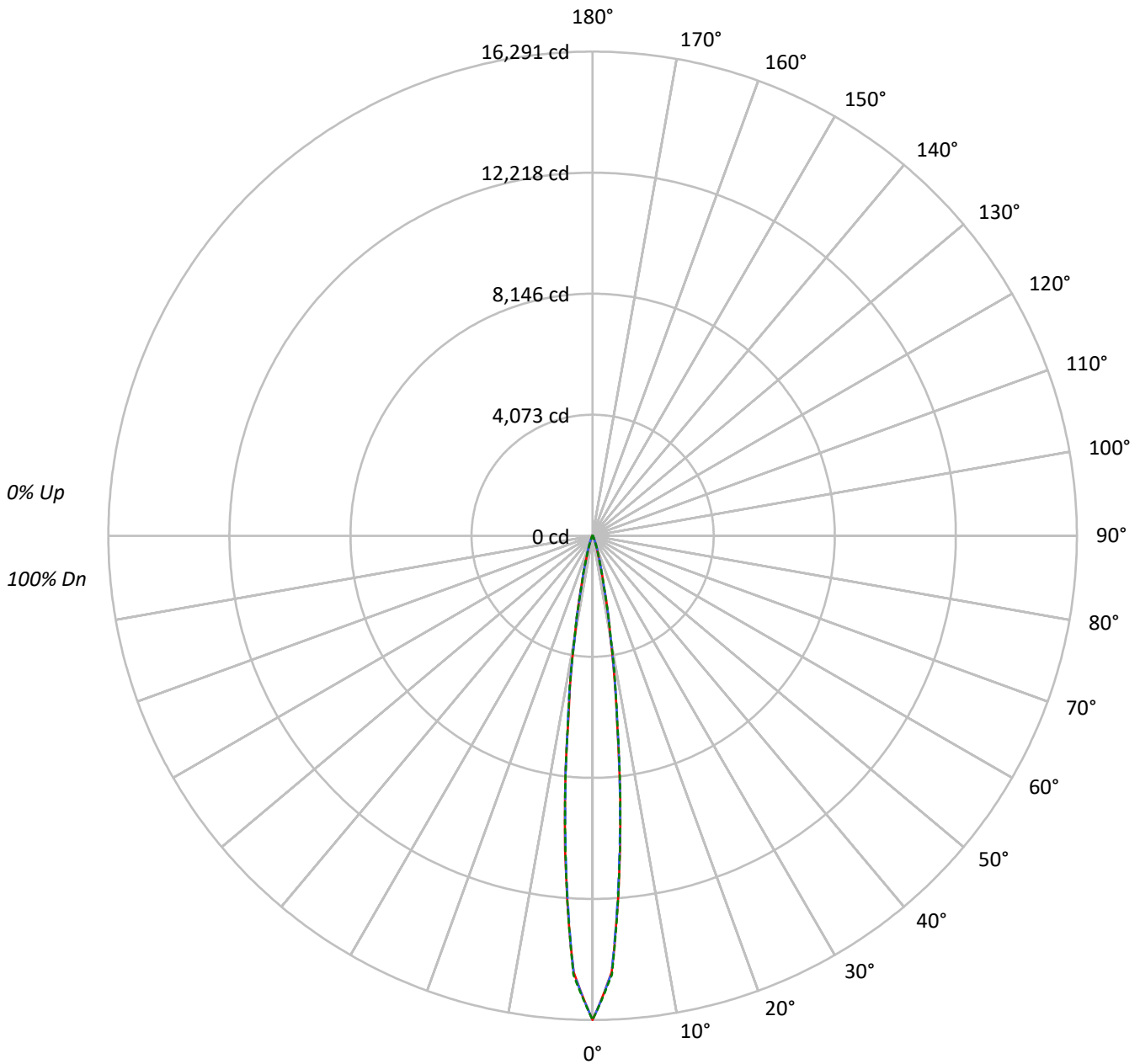


Downlight

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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°	1833074	1833074	1833074
5°	1077205	1063252	1071667
10°	321491	323749	328704
15°	79969	81524	79014
20°	23925	27705	24432
25°	8437	10743	8546
30°	3100	4081	3153
35°	1554	1750	1503
40°	980	1079	980
45°	721	770	721
50°	577	577	577
55°	480	480	480
60°	386	386	386
65°	293	293	293
70°	249	249	249
75°	159	159	212
80°	110	110	110
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 770 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	775.5	64.9
10°-20°	319.0	26.7
20°-30°	63.4	5.3
30°-40°	15.8	1.3
40°-50°	8.3	0.7
50°-60°	6.2	0.5
60°-70°	4.3	0.4
70°-80°	2.5	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°	1157.8	96.8
0°-40°	1173.6	98.2
0°-60°	1188.1	99.4
0°-90°	1195.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1195.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16291	16291	16291	16291	16291	
5°	10599	10490	10462	10534	10545	774
15°	921	938	939	922	910	316
25°	108	123	138	122	110	57
35°	21	23	24	23	21	15
45°	10	10	11	10	10	8
55°	7	7	7	7	7	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°	16291.1	16291.1	16291.1	16291.1	16291.1
2.5°	14695.2	14707.7	14712.5	14727.0	14780.8
5°	10599.4	10490.4	10462.1	10534.5	10544.9
7.5°	6278.7	6300.7	6381.4	6399.3	6334.5
10°	3445.5	3473.8	3469.7	3494.5	3522.8
12.5°	1762.1	1740.0	1733.1	1761.4	1722.1
15°	920.7	937.9	938.6	922.1	909.7
17.5°	495.2	515.2	548.3	521.4	480.0
20°	292.4	310.3	338.6	316.6	298.6
22.5°	180.7	195.2	215.2	197.9	183.4
25°	108.3	122.8	137.9	122.1	109.7
27.5°	64.1	76.6	86.2	75.9	63.4
30°	41.4	48.3	54.5	47.6	42.1
32.5°	29.0	31.7	34.5	31.7	29.0
35°	21.4	22.8	24.1	22.8	20.7
37.5°	16.6	17.9	18.6	17.2	15.9
40°	13.8	14.5	15.2	14.5	13.8
42.5°	11.7	12.4	12.4	12.4	11.7
45°	10.3	10.3	11.0	10.3	10.3
47.5°	9.0	9.0	9.7	9.0	9.0
50°	8.3	8.3	8.3	8.3	8.3
52.5°	7.6	7.6	7.6	7.6	7.6
55°	6.9	6.9	6.9	6.9	6.9
57.5°	6.2	6.2	6.2	6.2	6.2
60°	5.5	5.5	5.5	5.5	5.5
62.5°	4.8	4.8	4.8	4.8	4.8
65°	4.1	4.1	4.1	4.1	4.1
67.5°	4.1	4.1	4.1	4.1	4.1
70°	3.4	3.4	3.4	3.4	3.4
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.1	2.1	2.1	2.1	2.8
77.5°	2.1	2.1	2.1	2.1	2.1
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4
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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