

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P788837

Luminaire Tested: LER6D10D010-EC6DR150210IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788837
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-EC6DR150210IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 1258.7 lumens
Efficiency: N/A
Efficacy: 107.6 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

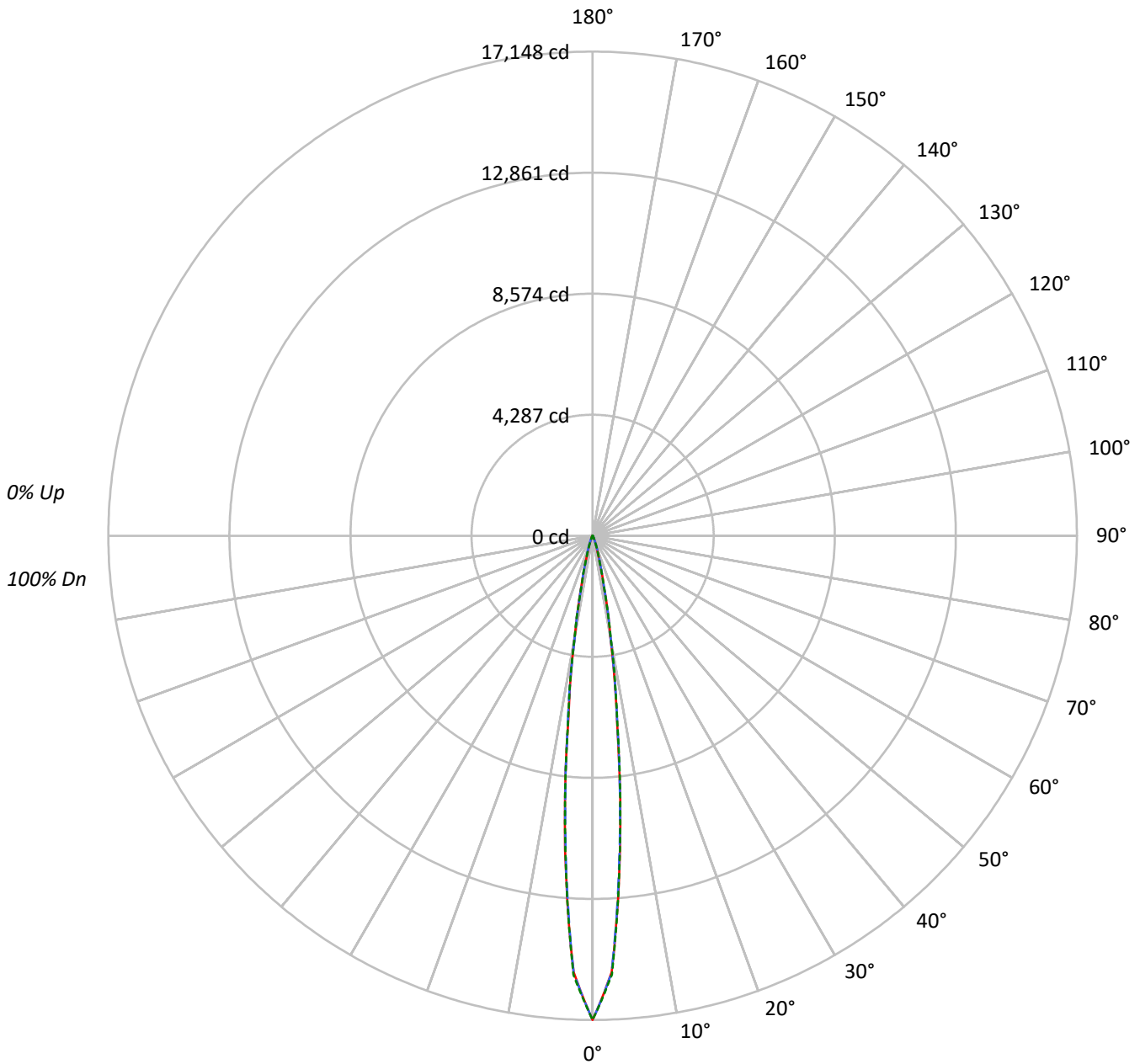


Downlight

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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	87	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°	1929548	1929548	1929548
5°	1133894	1119219	1128071
10°	338417	340787	346003
15°	84182	85815	83165
20°	25185	29162	25717
25°	8881	11311	8990
30°	3265	4298	3317
35°	1634	1845	1583
40°	1030	1136	1030
45°	763	812	763
50°	605	605	605
55°	508	508	508
60°	407	407	407
65°	314	314	314
70°	263	263	263
75°	166	166	219
80°	118	118	118
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 812 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	816.3	64.9
10°-20°	335.8	26.7
20°-30°	66.7	5.3
30°-40°	16.6	1.3
40°-50°	8.7	0.7
50°-60°	6.5	0.5
60°-70°	4.6	0.4
70°-80°	2.6	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°	1218.8	96.8
0°-40°	1235.4	98.2
0°-60°	1250.6	99.4
0°-90°	1258.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1258.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17148	17148	17148	17148	17148	
5°	11157	11042	11013	11089	11100	815
15°	969	987	988	971	958	332
25°	114	129	145	128	115	60
35°	22	24	25	24	22	15
45°	11	11	12	11	11	8
55°	7	7	7	7	7	6
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°	17148.5	17148.5	17148.5	17148.5	17148.5
2.5°	15468.7	15481.7	15486.8	15502.1	15558.7
5°	11157.2	11042.5	11012.8	11089.0	11099.9
7.5°	6609.1	6632.3	6717.3	6736.1	6667.9
10°	3626.9	3656.6	3652.3	3678.4	3708.2
12.5°	1854.8	1831.6	1824.3	1854.1	1812.7
15°	969.2	987.3	988.0	970.6	957.5
17.5°	521.2	542.3	577.1	548.8	505.3
20°	307.8	326.7	356.4	333.2	314.3
22.5°	190.2	205.4	226.5	208.3	193.1
25°	114.0	129.2	145.2	128.5	115.4
27.5°	67.5	80.6	90.7	79.9	66.8
30°	43.6	50.8	57.4	50.1	44.3
32.5°	30.5	33.4	36.3	33.4	30.5
35°	22.5	24.0	25.4	24.0	21.8
37.5°	17.4	18.9	19.6	18.1	16.7
40°	14.5	15.2	16.0	15.2	14.5
42.5°	12.3	13.1	13.1	13.1	12.3
45°	10.9	10.9	11.6	10.9	10.9
47.5°	9.4	9.4	10.2	9.4	9.4
50°	8.7	8.7	8.7	8.7	8.7
52.5°	8.0	8.0	8.0	8.0	8.0
55°	7.3	7.3	7.3	7.3	7.3
57.5°	6.5	6.5	6.5	6.5	6.5
60°	5.8	5.8	5.8	5.8	5.8
62.5°	5.1	5.1	5.1	5.1	5.1
65°	4.4	4.4	4.4	4.4	4.4
67.5°	4.4	4.4	4.4	4.4	4.4
70°	3.6	3.6	3.6	3.6	3.6
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.2	2.2	2.2	2.2	2.9
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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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