

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: P788821

Luminaire Tested: LER6D10D010-EC6DR150210IC9030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788821
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-EC6DR150210IC9030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1160.2 lumens
Efficiency: N/A
Efficacy: 99.2 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

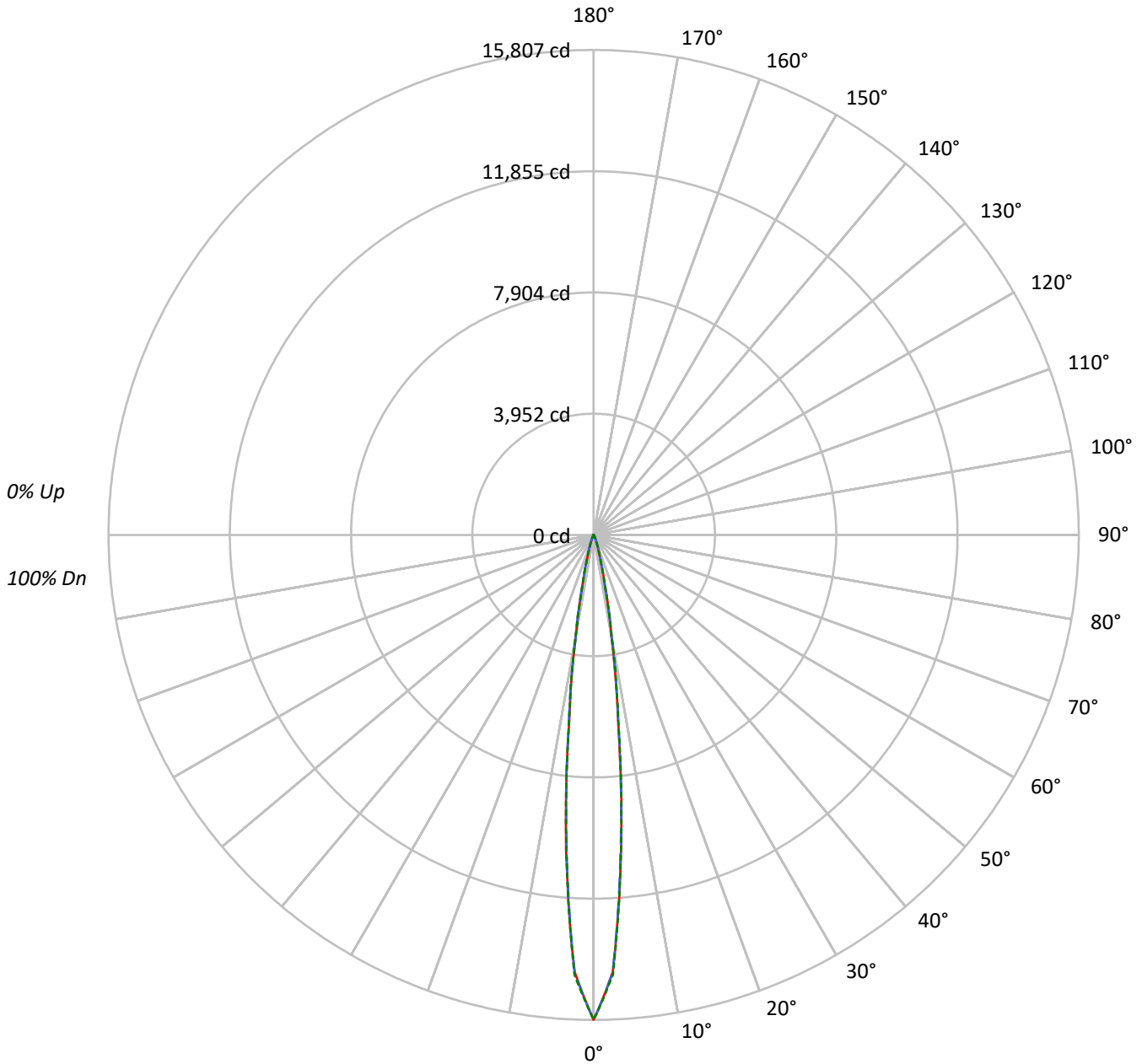
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1778614	1778614	1778614
5°	1045192	1031665	1039826
10°	311946	314129	318935
15°	77589	79101	76660
20°	23213	26887	23704
25°	8187	10423	8289
30°	3010	3961	3055
35°	1503	1699	1460
40°	952	1044	952
45°	700	749	700
50°	556	556	556
55°	466	466	466
60°	379	379	379
65°	285	285	285
70°	241	241	241
75°	151	151	204
80°	102	102	102
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 749 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	752.4	64.9
10°-20°	309.5	26.7
20°-30°	61.5	5.3
30°-40°	15.3	1.3
40°-50°	8.1	0.7
50°-60°	6.0	0.5
60°-70°	4.2	0.4
70°-80°	2.4	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°	1123.4	96.8
0°-40°	1138.8	98.2
0°-60°	1152.8	99.4
0°-90°	1160.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1160.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15807	15807	15807	15807	15807	
5°	10284	10179	10151	10222	10232	751
15°	893	910	911	895	883	306
25°	105	119	134	118	106	55
35°	21	22	23	22	20	14
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°	15807.1	15807.1	15807.1	15807.1	15807.1
2.5°	14258.6	14270.7	14275.4	14289.4	14341.6
5°	10284.4	10178.7	10151.3	10221.5	10231.6
7.5°	6092.1	6113.5	6191.8	6209.2	6146.3
10°	3343.2	3370.6	3366.6	3390.7	3418.1
12.5°	1709.7	1688.3	1681.6	1709.1	1670.9
15°	893.3	910.1	910.7	894.7	882.6
17.5°	480.5	499.9	532.0	505.9	465.7
20°	283.7	301.1	328.6	307.1	289.7
22.5°	175.3	189.4	208.8	192.1	178.0
25°	105.1	119.1	133.8	118.4	106.4
27.5°	62.2	74.3	83.6	73.6	61.6
30°	40.2	46.8	52.9	46.2	40.8
32.5°	28.1	30.8	33.5	30.8	28.1
35°	20.7	22.1	23.4	22.1	20.1
37.5°	16.1	17.4	18.1	16.7	15.4
40°	13.4	14.1	14.7	14.1	13.4
42.5°	11.4	12.0	12.0	12.0	11.4
45°	10.0	10.0	10.7	10.0	10.0
47.5°	8.7	8.7	9.4	8.7	8.7
50°	8.0	8.0	8.0	8.0	8.0
52.5°	7.4	7.4	7.4	7.4	7.4
55°	6.7	6.7	6.7	6.7	6.7
57.5°	6.0	6.0	6.0	6.0	6.0
60°	5.4	5.4	5.4	5.4	5.4
62.5°	4.7	4.7	4.7	4.7	4.7
65°	4.0	4.0	4.0	4.0	4.0
67.5°	4.0	4.0	4.0	4.0	4.0
70°	3.3	3.3	3.3	3.3	3.3
72.5°	2.7	2.7	2.7	2.7	2.7
75°	2.0	2.0	2.0	2.0	2.7
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.7	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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