

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: P788812

Luminaire Tested: LER6D10D010-EC6DR150210IC9027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788812
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-EC6DR150210IC9027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1070.1 lumens
Efficiency: N/A
Efficacy: 91.5 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

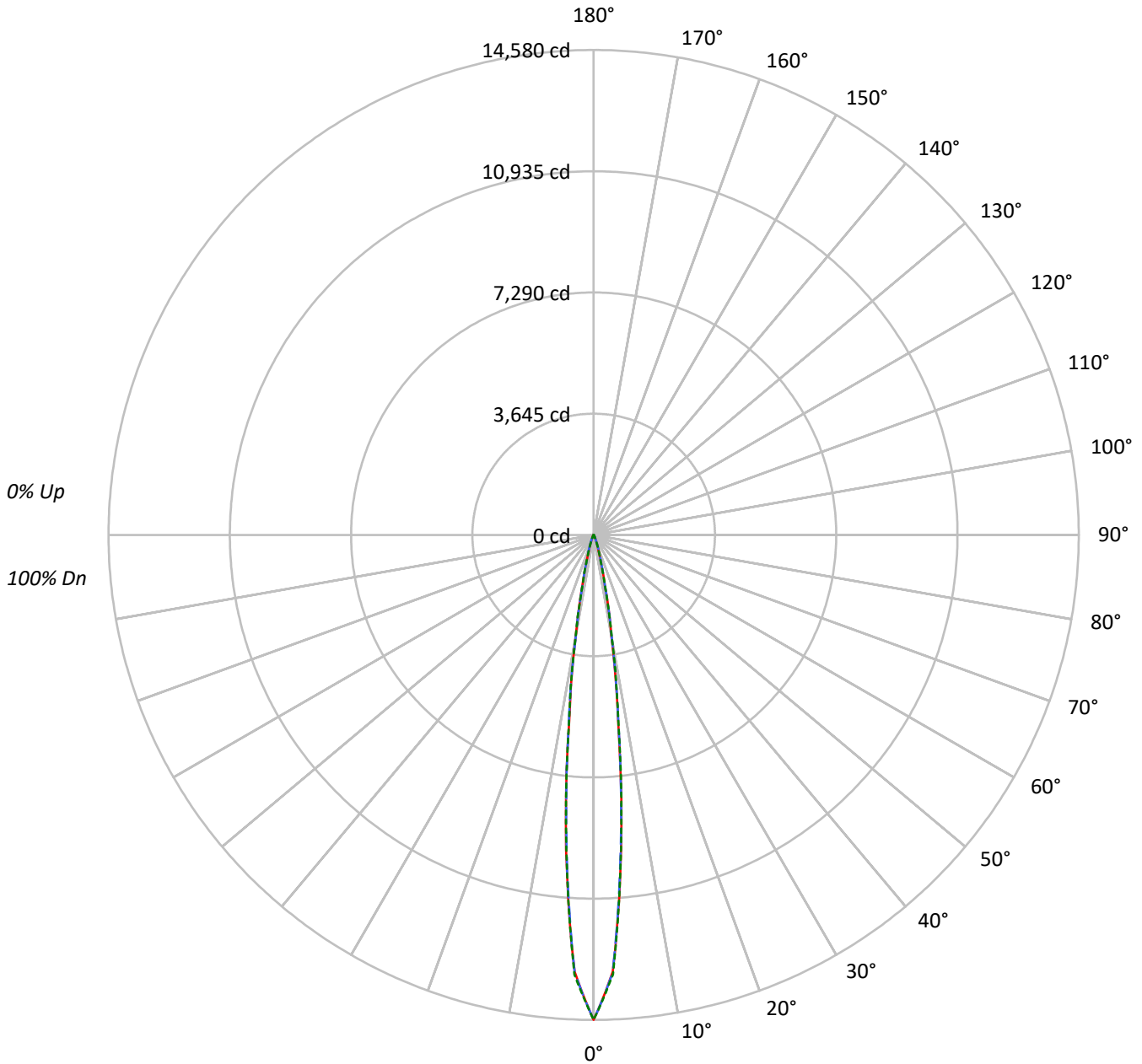
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	87	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°	1640507	1640507	1640507
5°	964042	951551	959082
10°	287723	289739	294171
15°	71570	72960	70710
20°	21413	24792	21871
25°	7549	9613	7642
30°	2771	3654	2816
35°	1387	1569	1343
40°	873	966	873
45°	651	693	651
50°	515	515	515
55°	432	432	432
60°	344	344	344
65°	264	264	264
70°	227	227	227
75°	144	144	189
80°	95	95	95
85°	50	50	50

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 693 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	694.0	64.9
10°-20°	285.5	26.7
20°-30°	56.7	5.3
30°-40°	14.2	1.3
40°-50°	7.4	0.7
50°-60°	5.5	0.5
60°-70°	3.9	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°	1036.2	96.8
0°-40°	1050.3	98.2
0°-60°	1063.3	99.4
0°-90°	1070.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1070.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14580	14580	14580	14580	14580	
5°	9486	9388	9363	9428	9437	693
15°	824	839	840	825	814	283
25°	97	110	123	109	98	51
35°	19	20	22	20	18	13
45°	9	9	10	9	9	7
55°	6	6	6	6	6	6
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°	14579.7	14579.7	14579.7	14579.7	14579.7
2.5°	13151.5	13162.6	13166.9	13179.8	13228.0
5°	9485.9	9388.3	9363.0	9427.8	9437.1
7.5°	5619.1	5638.8	5711.0	5727.1	5669.0
10°	3083.6	3108.9	3105.2	3127.4	3152.7
12.5°	1577.0	1557.2	1551.0	1576.3	1541.2
15°	824.0	839.4	840.0	825.2	814.1
17.5°	443.2	461.1	490.7	466.6	429.6
20°	261.7	277.7	303.0	283.3	267.3
22.5°	161.7	174.7	192.6	177.1	164.2
25°	96.9	109.9	123.4	109.2	98.1
27.5°	57.4	68.5	77.2	67.9	56.8
30°	37.0	43.2	48.8	42.6	37.6
32.5°	25.9	28.4	30.9	28.4	25.9
35°	19.1	20.4	21.6	20.4	18.5
37.5°	14.8	16.0	16.7	15.4	14.2
40°	12.3	13.0	13.6	13.0	12.3
42.5°	10.5	11.1	11.1	11.1	10.5
45°	9.3	9.3	9.9	9.3	9.3
47.5°	8.0	8.0	8.6	8.0	8.0
50°	7.4	7.4	7.4	7.4	7.4
52.5°	6.8	6.8	6.8	6.8	6.8
55°	6.2	6.2	6.2	6.2	6.2
57.5°	5.6	5.6	5.6	5.6	5.6
60°	4.9	4.9	4.9	4.9	4.9
62.5°	4.3	4.3	4.3	4.3	4.3
65°	3.7	3.7	3.7	3.7	3.7
67.5°	3.7	3.7	3.7	3.7	3.7
70°	3.1	3.1	3.1	3.1	3.1
72.5°	2.5	2.5	2.5	2.5	2.5
75°	1.9	1.9	1.9	1.9	2.5
77.5°	1.9	1.9	1.9	1.9	1.9
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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