

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: P789466

Luminaire Tested: LER6D15D010-EC6DR1515309050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789466
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: LER6D15D010-EC6DR1515309050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1591.7 lumens
Efficiency: N/A
Efficacy: 100.7 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

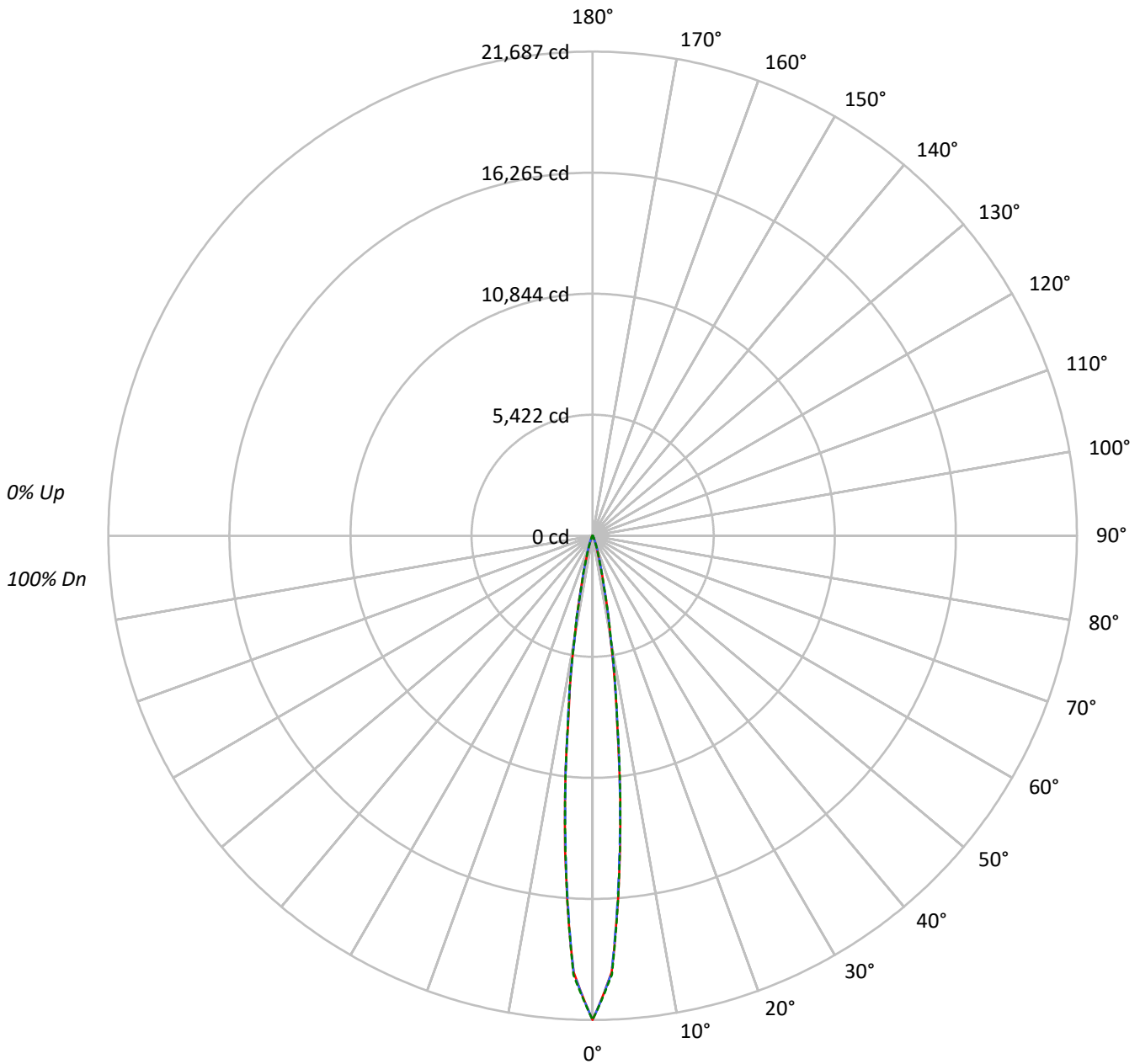
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2440198	2440198	2440198
5°	1433974	1415406	1426606
10°	427974	430969	437566
15°	106452	108528	105175
20°	31854	36886	32525
25°	11225	14303	11374
30°	4126	5429	4193
35°	2070	2331	1997
40°	1307	1434	1307
45°	966	1029	966
50°	765	765	765
55°	640	640	640
60°	513	513	513
65°	393	393	393
70°	336	336	336
75°	212	212	280
80°	142	142	142
85°	75	75	75

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1029 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1032.3	64.9
10°-20°	424.6	26.7
20°-30°	84.3	5.3
30°-40°	21.1	1.3
40°-50°	11.1	0.7
50°-60°	8.2	0.5
60°-70°	5.8	0.4
70°-80°	3.3	0.2
80°-90°	1.0	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°	1541.3	96.8
0°-40°	1562.4	98.2
0°-60°	1581.6	99.4
0°-90°	1591.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1591.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21687	21687	21687	21687	21687	
5°	14110	13965	13927	14024	14037	1030
15°	1226	1249	1250	1228	1211	420
25°	144	163	184	162	146	76
35°	28	30	32	30	28	19
45°	14	14	15	14	14	11
55°	9	9	9	9	9	8
65°	6	6	6	6	6	6
75°	3	3	3	3	4	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°	21686.8	21686.8	21686.8	21686.8	21686.8
2.5°	19562.4	19578.9	19585.3	19604.6	19676.2
5°	14109.9	13964.8	13927.2	14023.6	14037.4
7.5°	8358.2	8387.5	8495.0	8518.8	8432.5
10°	4586.7	4624.3	4618.8	4651.9	4689.5
12.5°	2345.7	2316.3	2307.1	2344.8	2292.4
15°	1225.6	1248.6	1249.5	1227.5	1210.9
17.5°	659.2	685.8	729.9	694.1	639.0
20°	389.3	413.1	450.8	421.4	397.5
22.5°	240.5	259.8	286.4	263.5	244.2
25°	144.1	163.4	183.6	162.5	146.0
27.5°	85.4	101.9	114.8	101.0	84.5
30°	55.1	64.3	72.5	63.3	56.0
32.5°	38.6	42.2	45.9	42.2	38.6
35°	28.5	30.3	32.1	30.3	27.5
37.5°	22.0	23.9	24.8	23.0	21.1
40°	18.4	19.3	20.2	19.3	18.4
42.5°	15.6	16.5	16.5	16.5	15.6
45°	13.8	13.8	14.7	13.8	13.8
47.5°	11.9	11.9	12.9	11.9	11.9
50°	11.0	11.0	11.0	11.0	11.0
52.5°	10.1	10.1	10.1	10.1	10.1
55°	9.2	9.2	9.2	9.2	9.2
57.5°	8.3	8.3	8.3	8.3	8.3
60°	7.3	7.3	7.3	7.3	7.3
62.5°	6.4	6.4	6.4	6.4	6.4
65°	5.5	5.5	5.5	5.5	5.5
67.5°	5.5	5.5	5.5	5.5	5.5
70°	4.6	4.6	4.6	4.6	4.6
72.5°	3.7	3.7	3.7	3.7	3.7
75°	2.8	2.8	2.8	2.8	3.7
77.5°	2.8	2.8	2.8	2.8	2.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9
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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