

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: P789435

Luminaire Tested: LER6D15D010-EC6DR1515309027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789435
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-EC6DR1515309027-6LBS1H
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: 1437.9 lumens
Efficiency: N/A
Efficacy: 91.0 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

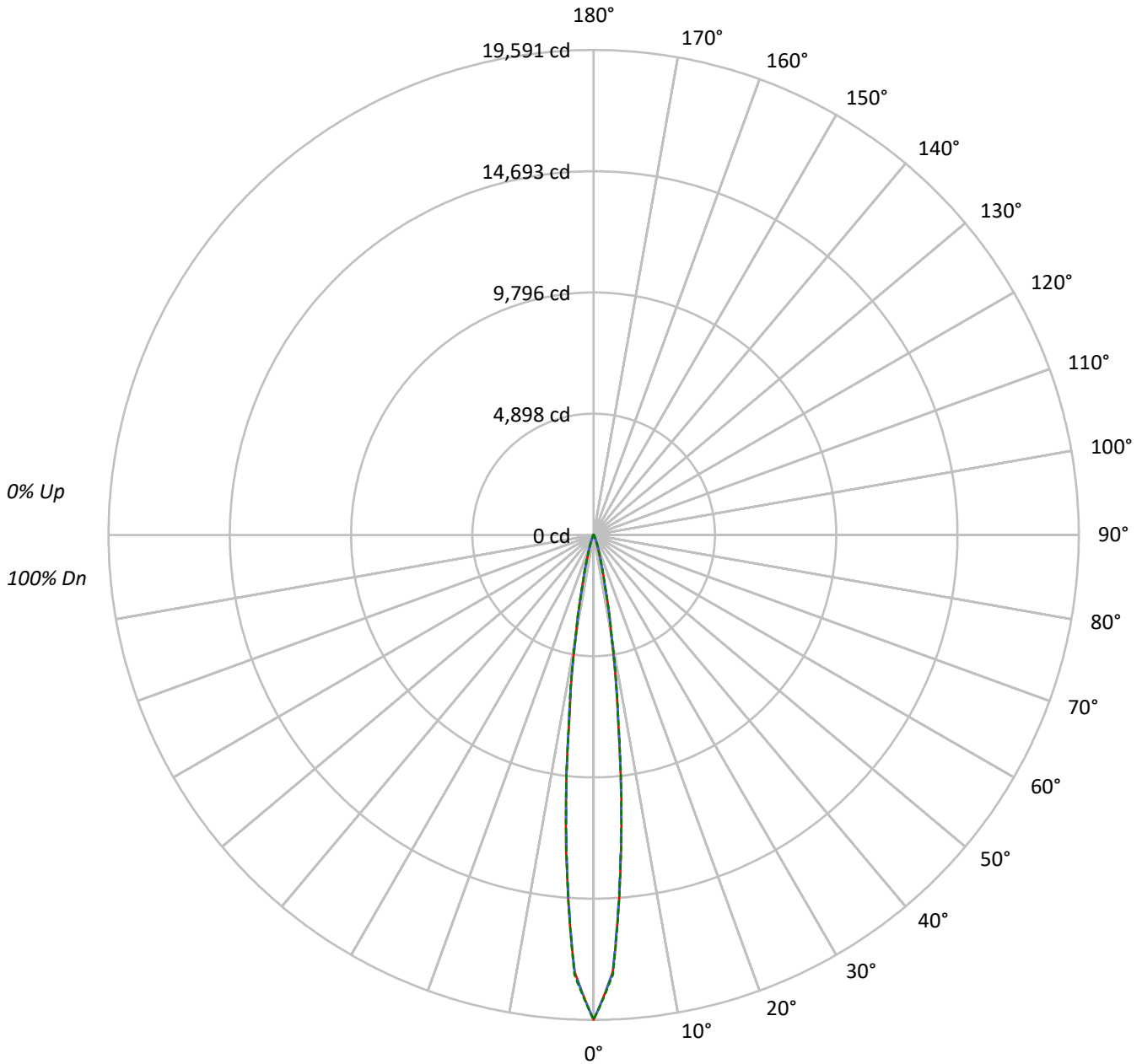
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	2204378	2204378	2204378
5°	1295392	1278624	1288736
10°	386620	389326	395279
15°	96168	98044	95013
20°	28769	33318	29383
25°	10143	12924	10275
30°	3729	4905	3789
35°	1866	2106	1808
40°	1179	1292	1179
45°	868	931	868
50°	695	695	695
55°	578	578	578
60°	463	463	463
65°	357	357	357
70°	300	300	300
75°	189	189	249
80°	134	134	134
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	932.6	64.9
10°-20°	383.6	26.7
20°-30°	76.2	5.3
30°-40°	19.0	1.3
40°-50°	10.0	0.7
50°-60°	7.4	0.5
60°-70°	5.2	0.4
70°-80°	3.0	0.2
80°-90°	0.9	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°	1392.4	96.8
0°-40°	1411.4	98.2
0°-60°	1428.8	99.4
0°-90°	1437.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1437.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19591	19591	19591	19591	19591	
5°	12746	12615	12581	12668	12681	931
15°	1107	1128	1129	1109	1094	380
25°	130	148	166	147	132	68
35°	26	27	29	27	25	17
45°	12	12	13	12	12	10
55°	8	8	8	8	8	7
65°	5	5	5	5	5	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°	19591.0	19591.0	19591.0	19591.0	19591.0
2.5°	17671.9	17686.8	17692.6	17710.0	17774.7
5°	12746.3	12615.3	12581.3	12668.4	12680.8
7.5°	7550.4	7577.0	7674.0	7695.6	7617.6
10°	4143.5	4177.5	4172.5	4202.3	4236.3
12.5°	2119.0	2092.5	2084.2	2118.2	2070.9
15°	1107.2	1127.9	1128.8	1108.8	1093.9
17.5°	595.5	619.5	659.3	627.0	577.2
20°	351.6	373.2	407.2	380.7	359.1
22.5°	217.3	234.7	258.8	238.0	220.6
25°	130.2	147.6	165.9	146.8	131.9
27.5°	77.1	92.1	103.7	91.2	76.3
30°	49.8	58.1	65.5	57.2	50.6
32.5°	34.8	38.2	41.5	38.2	34.8
35°	25.7	27.4	29.0	27.4	24.9
37.5°	19.9	21.6	22.4	20.7	19.1
40°	16.6	17.4	18.2	17.4	16.6
42.5°	14.1	14.9	14.9	14.9	14.1
45°	12.4	12.4	13.3	12.4	12.4
47.5°	10.8	10.8	11.6	10.8	10.8
50°	10.0	10.0	10.0	10.0	10.0
52.5°	9.1	9.1	9.1	9.1	9.1
55°	8.3	8.3	8.3	8.3	8.3
57.5°	7.5	7.5	7.5	7.5	7.5
60°	6.6	6.6	6.6	6.6	6.6
62.5°	5.8	5.8	5.8	5.8	5.8
65°	5.0	5.0	5.0	5.0	5.0
67.5°	5.0	5.0	5.0	5.0	5.0
70°	4.1	4.1	4.1	4.1	4.1
72.5°	3.3	3.3	3.3	3.3	3.3
75°	2.5	2.5	2.5	2.5	3.3
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.8	0.8	0.8	0.8	0.8
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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