

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: P786619

Luminaire Tested: LERS6D15D010-EC6DR1515309040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786619
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: LERS6D15D010-EC6DR1515309040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 1610.7 lumens
Efficiency: N/A
Efficacy: 101.9 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

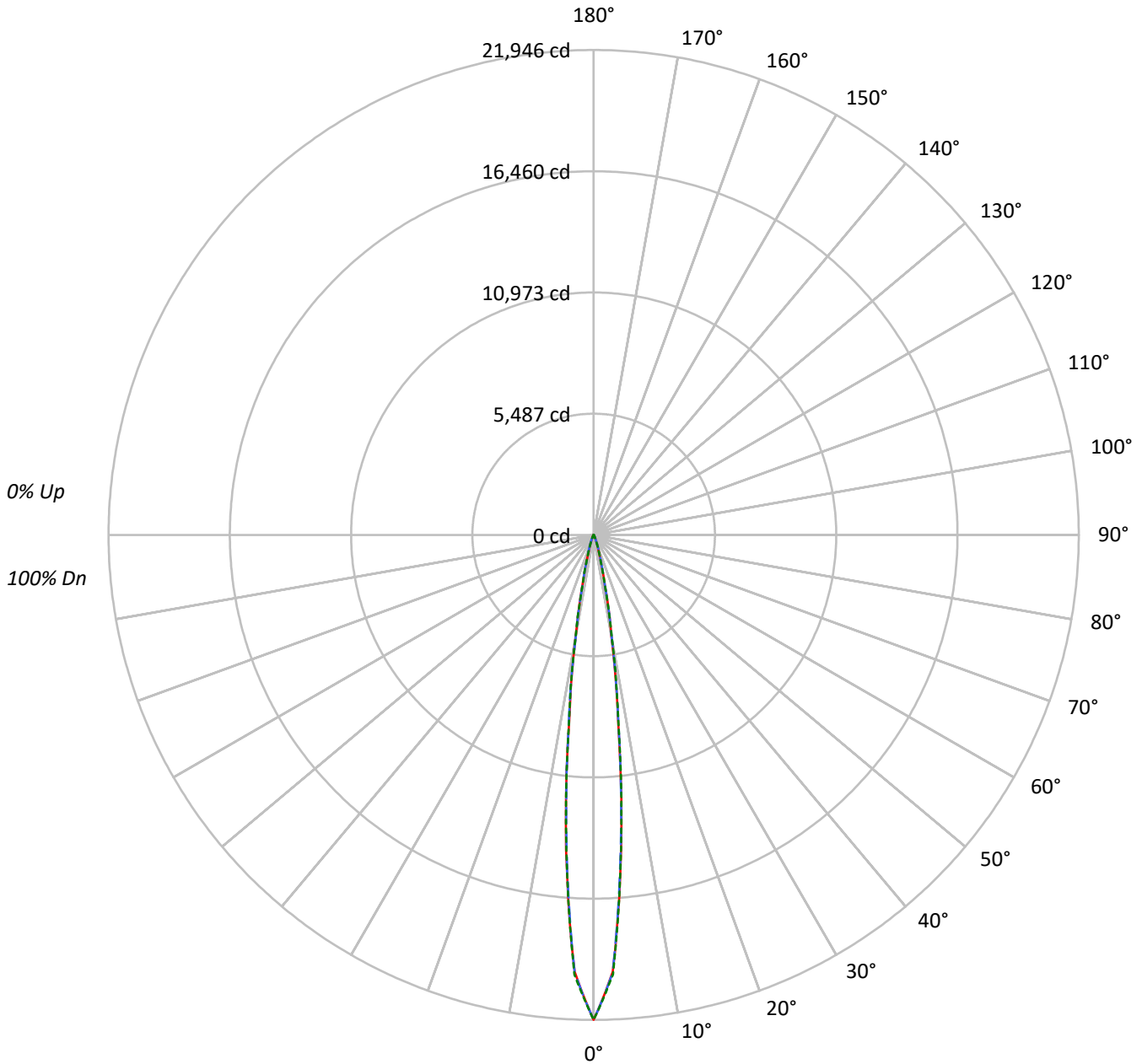
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2469318	2469318	2469318
5°	1451088	1432297	1443628
10°	433078	436120	442791
15°	107729	109822	106434
20°	32230	37328	32917
25°	11366	14474	11506
30°	4171	5496	4246
35°	2091	2360	2026
40°	1321	1449	1321
45°	973	1043	973
50°	772	772	772
55°	647	647	647
60°	520	520	520
65°	400	400	400
70°	336	336	336
75°	212	212	280
80°	150	150	150
85°	75	75	75

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1043 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1044.7	64.9
10°-20°	429.7	26.7
20°-30°	85.3	5.3
30°-40°	21.3	1.3
40°-50°	11.2	0.7
50°-60°	8.3	0.5
60°-70°	5.9	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°	1559.7	96.8
0°-40°	1581.0	98.2
0°-60°	1600.5	99.4
0°-90°	1610.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1610.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21946	21946	21946	21946	21946	
5°	14278	14132	14093	14191	14205	1043
15°	1240	1264	1264	1242	1225	425
25°	146	165	186	164	148	77
35°	29	31	32	31	28	20
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°	21945.6	21945.6	21945.6	21945.6	21945.6
2.5°	19795.8	19812.5	19819.0	19838.5	19911.0
5°	14278.3	14131.5	14093.4	14190.9	14204.9
7.5°	8457.9	8487.6	8596.3	8620.5	8533.1
10°	4641.4	4679.5	4674.0	4707.4	4745.5
12.5°	2373.7	2343.9	2334.7	2372.7	2319.8
15°	1240.3	1263.5	1264.4	1242.1	1225.4
17.5°	667.0	694.0	738.6	702.3	646.6
20°	393.9	418.1	456.2	426.4	402.3
22.5°	243.4	262.9	289.9	266.6	247.1
25°	145.9	165.4	185.8	164.4	147.7
27.5°	86.4	103.1	116.1	102.2	85.5
30°	55.7	65.0	73.4	64.1	56.7
32.5°	39.0	42.7	46.5	42.7	39.0
35°	28.8	30.7	32.5	30.7	27.9
37.5°	22.3	24.2	25.1	23.2	21.4
40°	18.6	19.5	20.4	19.5	18.6
42.5°	15.8	16.7	16.7	16.7	15.8
45°	13.9	13.9	14.9	13.9	13.9
47.5°	12.1	12.1	13.0	12.1	12.1
50°	11.1	11.1	11.1	11.1	11.1
52.5°	10.2	10.2	10.2	10.2	10.2
55°	9.3	9.3	9.3	9.3	9.3
57.5°	8.4	8.4	8.4	8.4	8.4
60°	7.4	7.4	7.4	7.4	7.4
62.5°	6.5	6.5	6.5	6.5	6.5
65°	5.6	5.6	5.6	5.6	5.6
67.5°	5.6	5.6	5.6	5.6	5.6
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°	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9
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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