

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: P786618

Luminaire Tested: LERS6D15D010-EC6DR1515309040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786618
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-EC6DR1515309040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1511.7 lumens
Efficiency: N/A
Efficacy: 95.7 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

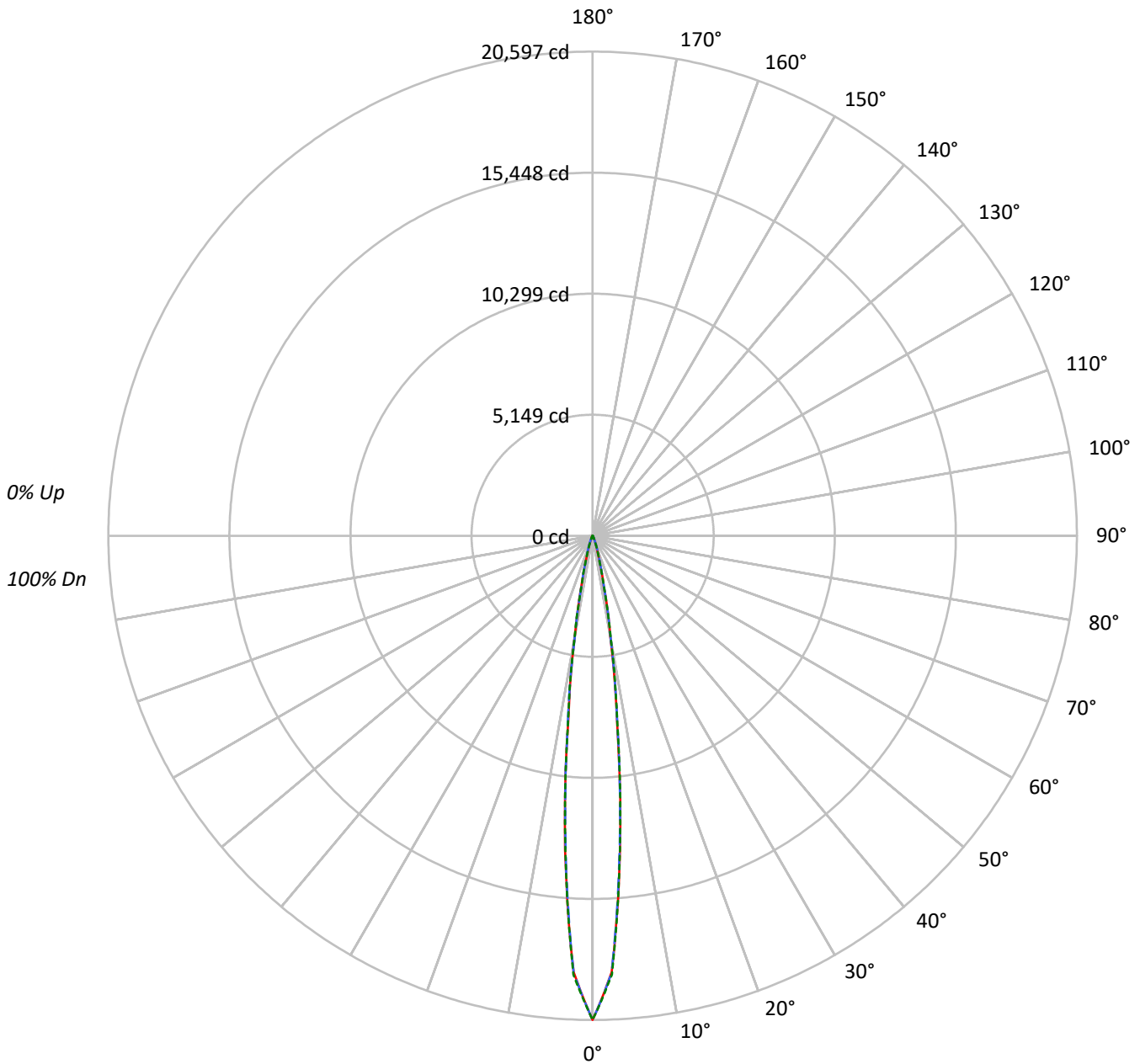
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2317573	2317573	2317573
5°	1361919	1344286	1354917
10°	406467	409312	415583
15°	101101	103073	99894
20°	30250	35028	30896
25°	10665	13586	10797
30°	3916	5159	3984
35°	1961	2215	1903
40°	1236	1363	1236
45°	917	980	917
50°	730	730	730
55°	606	606	606
60°	491	491	491
65°	371	371	371
70°	322	322	322
75°	197	197	265
80°	134	134	134
85°	75	75	75

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 980 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	980.5	64.9
10°-20°	403.3	26.7
20°-30°	80.1	5.3
30°-40°	20.0	1.3
40°-50°	10.5	0.7
50°-60°	7.8	0.5
60°-70°	5.5	0.4
70°-80°	3.1	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°	1463.8	96.8
0°-40°	1483.8	98.2
0°-60°	1502.1	99.4
0°-90°	1511.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1511.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20597	20597	20597	20597	20597	
5°	13401	13263	13227	13319	13332	979
15°	1164	1186	1187	1166	1150	399
25°	137	155	174	154	139	72
35°	27	29	30	29	26	18
45°	13	13	14	13	13	10
55°	9	9	9	9	9	8
65°	5	5	5	5	5	5
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°	20597.0	20597.0	20597.0	20597.0	20597.0
2.5°	18579.3	18595.0	18601.1	18619.4	18687.5
5°	13400.9	13263.1	13227.4	13318.9	13332.0
7.5°	7938.2	7966.1	8068.1	8090.7	8008.8
10°	4356.2	4392.0	4386.7	4418.1	4453.9
12.5°	2227.8	2199.9	2191.2	2226.9	2177.2
15°	1164.0	1185.8	1186.7	1165.8	1150.1
17.5°	626.1	651.3	693.2	659.2	606.9
20°	369.7	392.4	428.1	400.2	377.6
22.5°	228.4	246.8	272.0	250.2	231.9
25°	136.9	155.2	174.4	154.3	138.6
27.5°	81.1	96.8	109.0	95.9	80.2
30°	52.3	61.0	68.9	60.2	53.2
32.5°	36.6	40.1	43.6	40.1	36.6
35°	27.0	28.8	30.5	28.8	26.2
37.5°	20.9	22.7	23.5	21.8	20.1
40°	17.4	18.3	19.2	18.3	17.4
42.5°	14.8	15.7	15.7	15.7	14.8
45°	13.1	13.1	14.0	13.1	13.1
47.5°	11.3	11.3	12.2	11.3	11.3
50°	10.5	10.5	10.5	10.5	10.5
52.5°	9.6	9.6	9.6	9.6	9.6
55°	8.7	8.7	8.7	8.7	8.7
57.5°	7.8	7.8	7.8	7.8	7.8
60°	7.0	7.0	7.0	7.0	7.0
62.5°	6.1	6.1	6.1	6.1	6.1
65°	5.2	5.2	5.2	5.2	5.2
67.5°	5.2	5.2	5.2	5.2	5.2
70°	4.4	4.4	4.4	4.4	4.4
72.5°	3.5	3.5	3.5	3.5	3.5
75°	2.6	2.6	2.6	2.6	3.5
77.5°	2.6	2.6	2.6	2.6	2.6
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.9	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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