

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: P789426

Luminaire Tested: LER6D15D010-EC6DR1515309024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789426
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-EC6DR1515309024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1215.7 lumens
Efficiency: N/A
Efficacy: 76.9 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

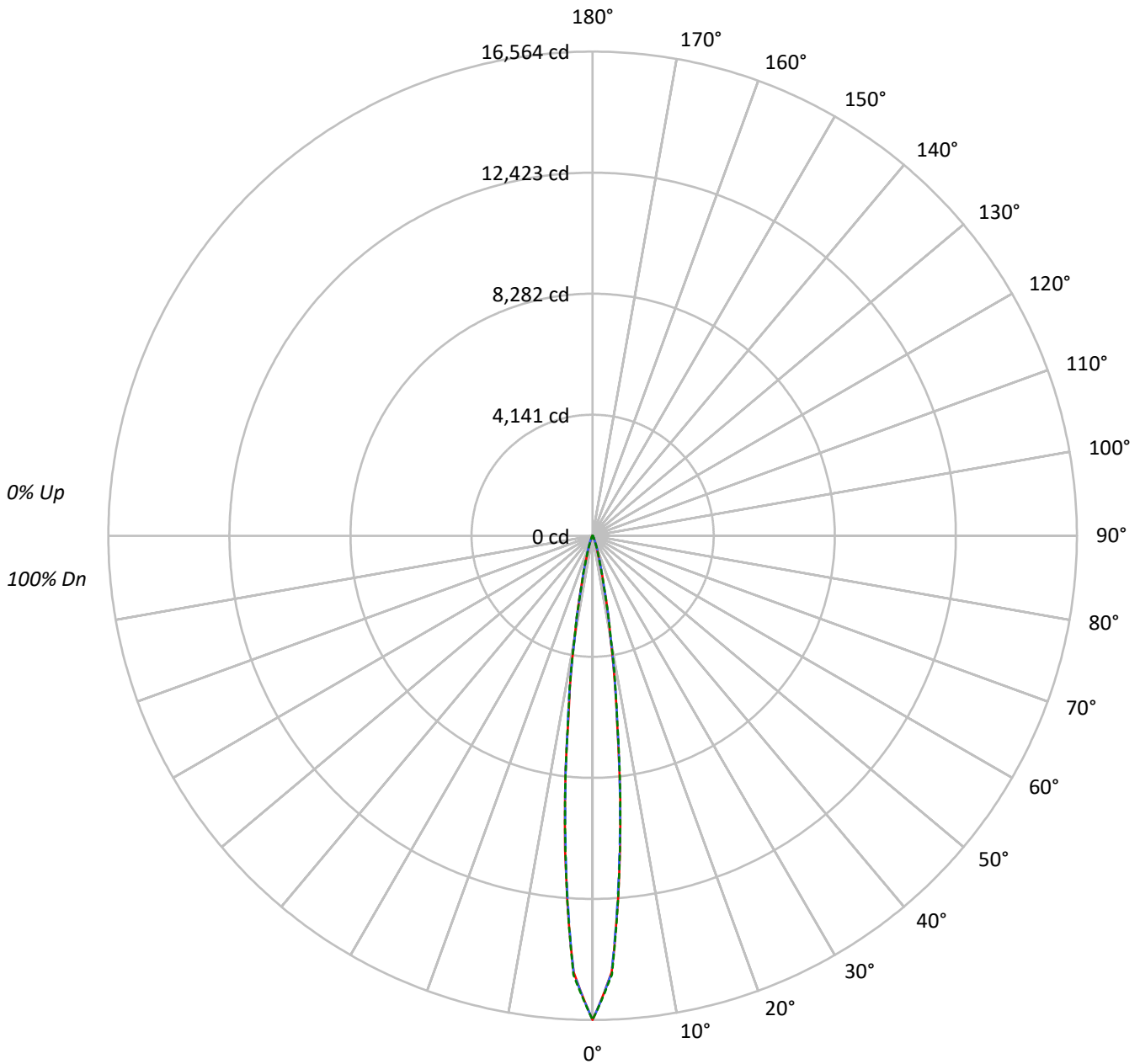


Downlight

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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°	1863758	1863758	1863758
5°	1095234	1081047	1089604
10°	326875	329171	334200
15°	81307	82887	80334
20°	24326	28172	24841
25°	8577	10922	8686
30°	3153	4148	3205
35°	1576	1779	1525
40°	994	1094	994
45°	735	784	735
50°	584	584	584
55°	487	487	487
60°	393	393	393
65°	300	300	300
70°	256	256	256
75°	159	159	212
80°	110	110	110
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 784 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.5	64.9
10°-20°	324.3	26.7
20°-30°	64.4	5.3
30°-40°	16.1	1.3
40°-50°	8.4	0.7
50°-60°	6.3	0.5
60°-70°	4.4	0.4
70°-80°	2.5	0.2
80°-90°	0.8	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°	1177.2	96.8
0°-40°	1193.3	98.2
0°-60°	1208.0	99.4
0°-90°	1215.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1215.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16564	16564	16564	16564	16564	
5°	10777	10666	10637	10711	10721	787
15°	936	954	954	938	925	321
25°	110	125	140	124	112	58
35°	22	23	24	23	21	15
45°	10	10	11	10	10	8
55°	7	7	7	7	7	6
65°	4	4	4	4	4	4
75°	2	2	2	2	3	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°	16563.8	16563.8	16563.8	16563.8	16563.8
2.5°	14941.2	14953.9	14958.8	14973.5	15028.2
5°	10776.8	10666.0	10637.2	10710.9	10721.4
7.5°	6383.8	6406.2	6488.2	6506.5	6440.5
10°	3503.2	3532.0	3527.8	3553.0	3581.7
12.5°	1791.6	1769.1	1762.1	1790.9	1750.9
15°	936.1	953.6	954.3	937.5	924.9
17.5°	503.5	523.8	557.5	530.1	488.0
20°	297.3	315.5	344.3	321.9	303.6
22.5°	183.7	198.4	218.8	201.2	186.5
25°	110.1	124.8	140.2	124.1	111.5
27.5°	65.2	77.8	87.7	77.1	64.5
30°	42.1	49.1	55.4	48.4	42.8
32.5°	29.5	32.3	35.1	32.3	29.5
35°	21.7	23.1	24.5	23.1	21.0
37.5°	16.8	18.2	18.9	17.5	16.1
40°	14.0	14.7	15.4	14.7	14.0
42.5°	11.9	12.6	12.6	12.6	11.9
45°	10.5	10.5	11.2	10.5	10.5
47.5°	9.1	9.1	9.8	9.1	9.1
50°	8.4	8.4	8.4	8.4	8.4
52.5°	7.7	7.7	7.7	7.7	7.7
55°	7.0	7.0	7.0	7.0	7.0
57.5°	6.3	6.3	6.3	6.3	6.3
60°	5.6	5.6	5.6	5.6	5.6
62.5°	4.9	4.9	4.9	4.9	4.9
65°	4.2	4.2	4.2	4.2	4.2
67.5°	4.2	4.2	4.2	4.2	4.2
70°	3.5	3.5	3.5	3.5	3.5
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.1	2.1	2.1	2.1	2.8
77.5°	2.1	2.1	2.1	2.1	2.1
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7
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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