

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: P789425

Luminaire Tested: LER6D15D010-EC6DR1515309024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789425
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-EC6DR1515309024-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1191.9 lumens
Efficiency: N/A
Efficacy: 75.4 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

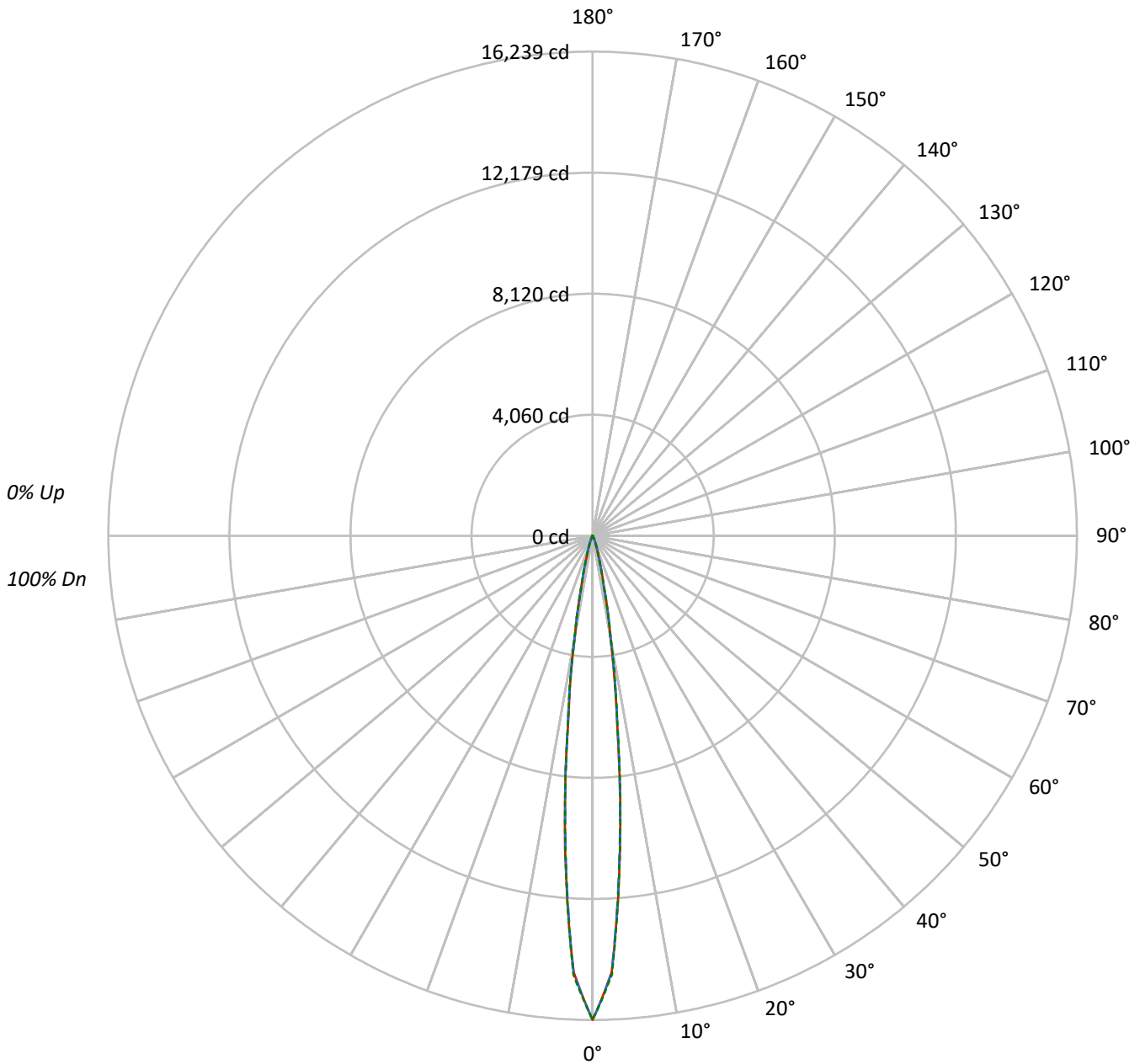
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1827200	1827200	1827200
5°	1073750	1059847	1068232
10°	320465	322704	327650
15°	79709	81263	78753
20°	23851	27615	24359
25°	8405	10711	8515
30°	3085	4066	3138
35°	1547	1750	1496
40°	973	1072	973
45°	721	770	721
50°	570	570	570
55°	480	480	480
60°	386	386	386
65°	293	293	293
70°	249	249	249
75°	159	159	204
80°	110	110	110
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 770 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	773.0	64.9
10°-20°	318.0	26.7
20°-30°	63.2	5.3
30°-40°	15.8	1.3
40°-50°	8.3	0.7
50°-60°	6.2	0.5
60°-70°	4.3	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°	1154.1	96.8
0°-40°	1169.9	98.2
0°-60°	1184.3	99.4
0°-90°	1191.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1191.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16239	16239	16239	16239	16239	
5°	10565	10457	10429	10501	10511	772
15°	918	935	936	919	907	315
25°	108	122	138	122	109	57
35°	21	23	24	23	21	14
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°	16238.9	16238.9	16238.9	16238.9	16238.9
2.5°	14648.1	14660.5	14665.3	14679.7	14733.4
5°	10565.4	10456.7	10428.6	10500.7	10511.1
7.5°	6258.5	6280.5	6360.9	6378.8	6314.2
10°	3434.5	3462.7	3458.5	3483.3	3511.5
12.5°	1756.4	1734.4	1727.6	1755.7	1716.6
15°	917.7	934.9	935.6	919.1	906.7
17.5°	493.6	513.5	546.5	519.7	478.5
20°	291.5	309.4	337.5	315.5	297.7
22.5°	180.1	194.5	214.5	197.3	182.9
25°	107.9	122.4	137.5	121.7	109.3
27.5°	63.9	76.3	85.9	75.6	63.2
30°	41.2	48.1	54.3	47.4	41.9
32.5°	28.9	31.6	34.4	31.6	28.9
35°	21.3	22.7	24.1	22.7	20.6
37.5°	16.5	17.9	18.6	17.2	15.8
40°	13.7	14.4	15.1	14.4	13.7
42.5°	11.7	12.4	12.4	12.4	11.7
45°	10.3	10.3	11.0	10.3	10.3
47.5°	8.9	8.9	9.6	8.9	8.9
50°	8.2	8.2	8.2	8.2	8.2
52.5°	7.6	7.6	7.6	7.6	7.6
55°	6.9	6.9	6.9	6.9	6.9
57.5°	6.2	6.2	6.2	6.2	6.2
60°	5.5	5.5	5.5	5.5	5.5
62.5°	4.8	4.8	4.8	4.8	4.8
65°	4.1	4.1	4.1	4.1	4.1
67.5°	4.1	4.1	4.1	4.1	4.1
70°	3.4	3.4	3.4	3.4	3.4
72.5°	2.7	2.7	2.7	2.7	2.7
75°	2.1	2.1	2.1	2.1	2.7
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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