

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: P789578

Luminaire Tested: LER6D15D010-EC6DR300215IC9027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR300215IC9027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2306.6 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

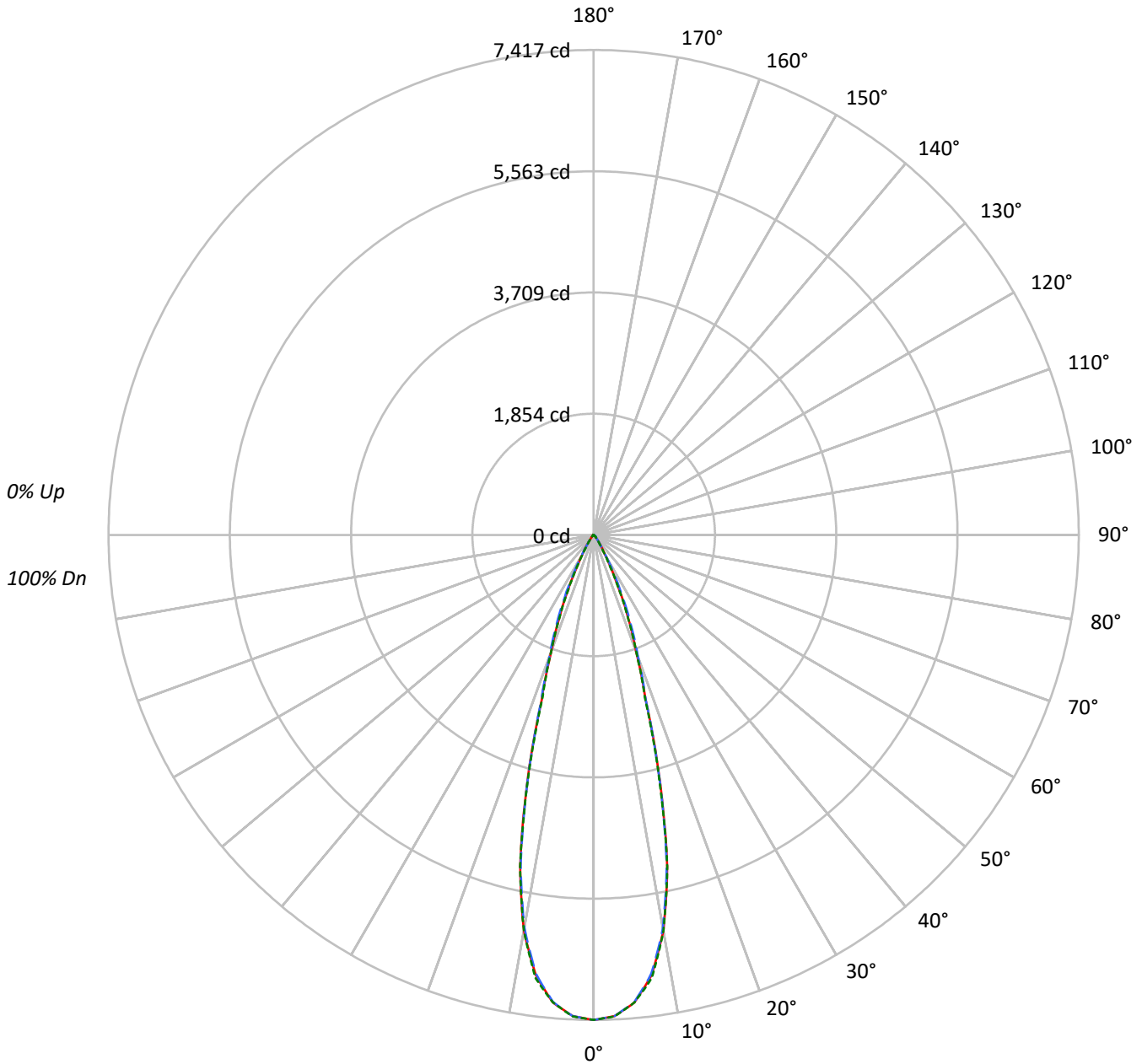
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	567707	567707	567707
5°	551412	550767	551443
10°	477607	474234	477491
15°	311617	309937	308384
20°	154953	160761	154742
25°	78055	88020	76458
30°	31253	34055	27231
35°	14493	13886	11634
40°	6255	6954	5895
45°	4417	5477	4449
50°	1512	3989	1608
55°	881	1655	921
60°	612	720	612
65°	398	398	398
70°	246	157	246
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5477 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	652.2	28.3
10°-20°	1050.4	45.5
20°-30°	453.9	19.7
30°-40°	103.5	4.5
40°-50°	35.5	1.5
50°-60°	8.7	0.4
60°-70°	2.3	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	2156.5	93.5
0°-40°	2259.9	98.0
0°-60°	2304.1	99.9
0°-90°	2306.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2306.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7417	7417	7417	7417	7417	
5°	7176	7170	7168	7183	7177	653
15°	3932	3885	3911	3898	3892	1053
25°	924	959	1042	935	905	442
35°	155	158	149	148	124	105
45°	41	51	51	51	41	29
55°	7	7	12	7	7	6
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7416.8	7416.8	7416.8	7416.8	7416.8
2.5°	7367.7	7362.6	7365.5	7369.1	7370.6
5°	7176.5	7169.6	7168.1	7183.0	7176.9
7.5°	6790.9	6781.0	6766.1	6800.0	6831.6
10°	6144.9	6134.0	6101.5	6117.6	6143.4
12.5°	5191.2	5155.9	5155.1	5206.1	5199.2
15°	3932.4	3885.0	3911.2	3898.5	3891.6
17.5°	2644.4	2626.2	2661.1	2650.6	2605.1
20°	1902.3	1907.0	1973.6	1940.1	1899.7
22.5°	1388.1	1405.2	1484.2	1397.9	1366.3
25°	924.2	959.1	1042.2	934.7	905.3
27.5°	568.4	584.4	668.6	561.1	545.1
30°	353.6	345.6	385.3	330.6	308.1
32.5°	232.0	221.8	234.5	210.5	192.3
35°	155.1	158.4	148.6	147.5	124.5
37.5°	96.9	111.4	98.3	104.9	80.1
40°	62.6	80.8	69.6	76.8	59.0
42.5°	51.3	62.3	57.2	60.8	52.4
45°	40.8	50.6	50.6	50.6	41.1
47.5°	22.6	33.9	43.3	34.6	24.0
50°	12.7	17.1	33.5	17.8	13.5
52.5°	8.7	9.8	22.9	10.2	9.1
55°	6.6	6.9	12.4	7.3	6.9
57.5°	5.1	5.5	6.6	5.5	5.1
60°	4.0	4.0	4.7	4.4	4.0
62.5°	2.9	2.9	3.3	2.9	2.9
65°	2.2	2.2	2.2	2.2	2.2
67.5°	1.1	1.5	1.5	1.5	1.5
70°	1.1	0.7	0.7	0.7	1.1
72.5°	0.7	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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