

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: P789568

Luminaire Tested: LER6D15D010-EC6DR300215IC9024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789568
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-EC6DR300215IC9024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2186.0 lumens
Efficiency: N/A
Efficacy: 138.4 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

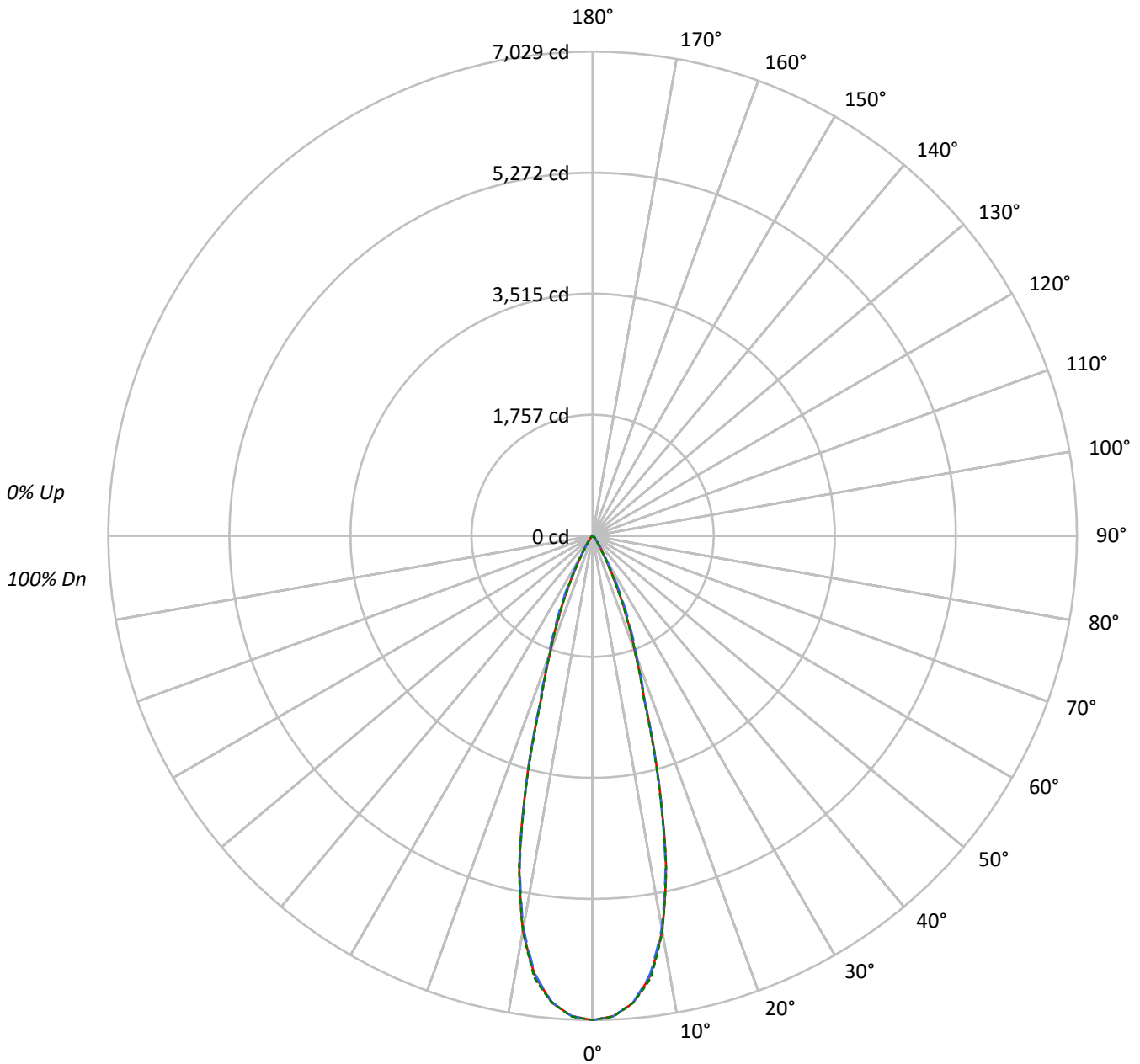
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	538016	538016	538016
5°	522576	521961	522599
10°	452627	449432	452518
15°	295317	293732	292250
20°	146848	152355	146653
25°	73975	83417	72455
30°	29618	32269	25808
35°	13736	13157	11026
40°	5935	6585	5586
45°	4189	5196	4222
50°	1441	3775	1524
55°	827	1561	881
60°	582	689	582
65°	380	380	380
70°	224	157	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5196 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.1	28.3
10°-20°	995.4	45.5
20°-30°	430.2	19.7
30°-40°	98.0	4.5
40°-50°	33.7	1.5
50°-60°	8.2	0.4
60°-70°	2.1	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°	2043.7	93.5
0°-40°	2141.7	98.0
0°-60°	2183.6	99.9
0°-90°	2186.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2186.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7029	7029	7029	7029	7029	
5°	6801	6795	6793	6807	6802	619
15°	3727	3682	3707	3695	3688	998
25°	876	909	988	886	858	419
35°	147	150	141	140	118	100
45°	39	48	48	48	39	27
55°	6	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7028.9	7028.9	7028.9	7028.9	7028.9
2.5°	6982.3	6977.5	6980.3	6983.7	6985.1
5°	6801.2	6794.6	6793.2	6807.4	6801.5
7.5°	6435.7	6426.4	6412.2	6444.3	6474.3
10°	5823.5	5813.1	5782.4	5797.6	5822.1
12.5°	4919.7	4886.2	4885.5	4933.8	4927.3
15°	3726.7	3681.8	3706.7	3694.6	3688.0
17.5°	2506.1	2488.8	2522.0	2512.0	2468.8
20°	1802.8	1807.3	1870.4	1838.7	1800.4
22.5°	1315.5	1331.7	1406.6	1324.8	1294.8
25°	875.9	909.0	987.7	885.9	857.9
27.5°	538.7	553.9	633.6	531.8	516.6
30°	335.1	327.5	365.1	313.3	292.0
32.5°	219.8	210.2	222.2	199.5	182.2
35°	147.0	150.1	140.8	139.8	118.0
37.5°	91.8	105.6	93.2	99.4	75.9
40°	59.4	76.6	65.9	72.8	55.9
42.5°	48.7	59.0	54.2	57.6	49.7
45°	38.7	48.0	48.0	48.0	39.0
47.5°	21.4	32.1	41.1	32.8	22.8
50°	12.1	16.2	31.7	16.9	12.8
52.5°	8.3	9.3	21.7	9.7	8.6
55°	6.2	6.6	11.7	6.9	6.6
57.5°	4.8	5.2	6.2	5.2	4.8
60°	3.8	3.8	4.5	4.1	3.8
62.5°	2.8	2.8	3.1	2.8	2.8
65°	2.1	2.1	2.1	2.1	2.1
67.5°	1.0	1.4	1.4	1.4	1.4
70°	1.0	0.7	0.7	0.7	1.0
72.5°	0.7	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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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