

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: P789590

Luminaire Tested: LER6D15D010-EC6DR300215IC9035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789590
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-EC6DR300215IC9035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2241.6 lumens
Efficiency: N/A
Efficacy: 141.9 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

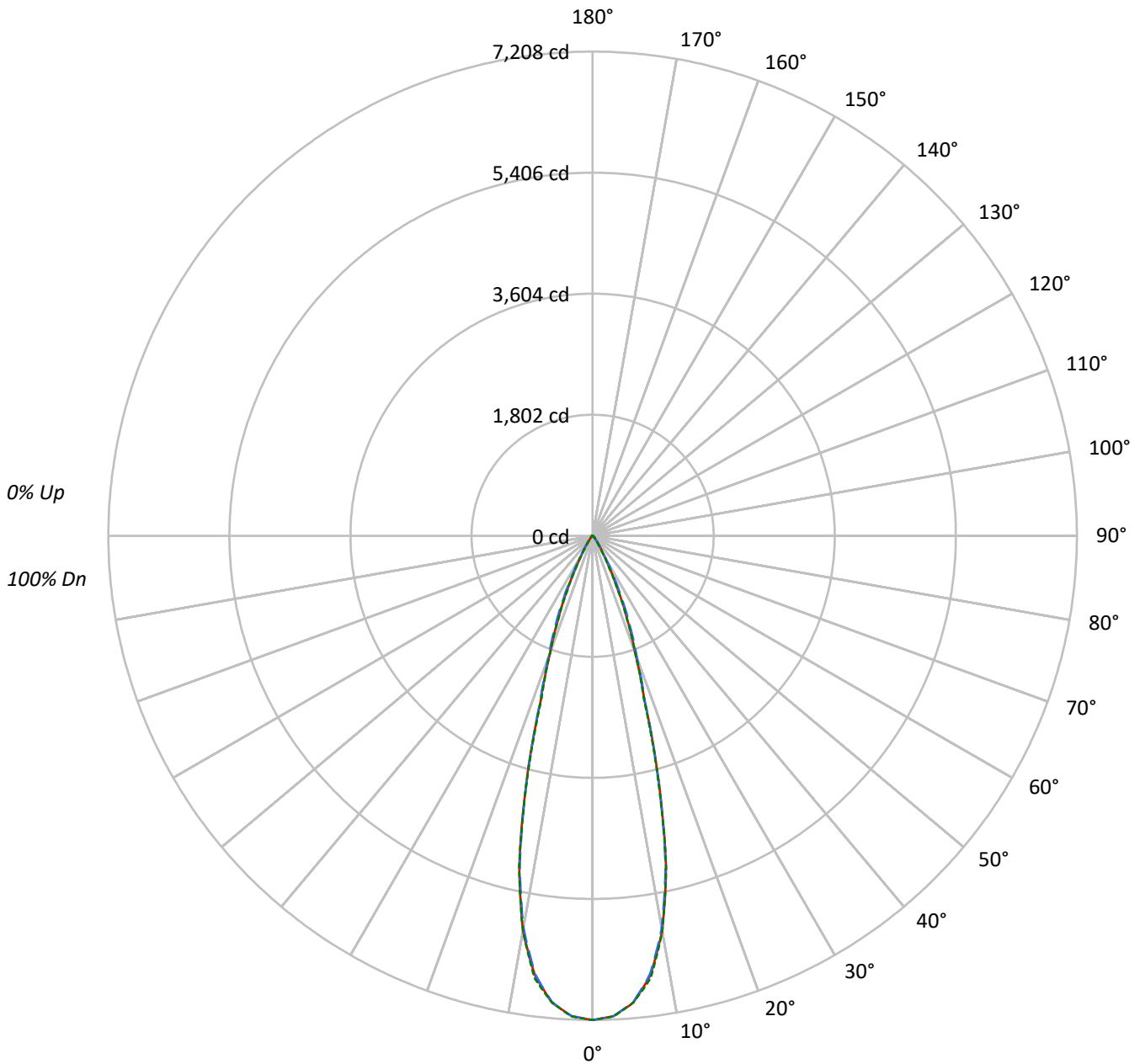


Downlight

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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°	551709	551709	551709
5°	535868	535246	535899
10°	464146	460873	464037
15°	302829	301205	299691
20°	150587	156232	150384
25°	75850	85537	74296
30°	30369	33091	26462
35°	14091	13493	11307
40°	6085	6755	5725
45°	4287	5326	4330
50°	1477	3882	1560
55°	854	1601	894
60°	597	704	597
65°	380	380	380
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: 5326 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.8	28.3
10°-20°	1020.8	45.5
20°-30°	441.1	19.7
30°-40°	100.5	4.5
40°-50°	34.5	1.5
50°-60°	8.4	0.4
60°-70°	2.2	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°	2095.7	93.5
0°-40°	2196.2	98.0
0°-60°	2239.2	99.9
0°-90°	2241.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2241.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7208	7208	7208	7208	7208	
5°	6974	6968	6966	6981	6975	634
15°	3822	3776	3801	3789	3782	1023
25°	898	932	1013	908	880	430
35°	151	154	144	143	121	102
45°	40	49	49	49	40	28
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7207.8	7207.8	7207.8	7207.8	7207.8
2.5°	7160.0	7155.1	7157.9	7161.4	7162.9
5°	6974.2	6967.5	6966.1	6980.6	6974.6
7.5°	6599.5	6589.9	6575.4	6608.3	6639.1
10°	5971.7	5961.1	5929.6	5945.2	5970.3
12.5°	5044.9	5010.6	5009.9	5059.4	5052.7
15°	3821.5	3775.5	3801.0	3788.6	3781.9
17.5°	2569.9	2552.2	2586.1	2575.9	2531.6
20°	1848.7	1853.3	1918.0	1885.5	1846.2
22.5°	1349.0	1365.6	1442.4	1358.5	1327.8
25°	898.1	932.1	1012.8	908.4	879.7
27.5°	552.4	568.0	649.7	545.3	529.8
30°	343.6	335.8	374.4	321.3	299.4
32.5°	225.4	215.5	227.9	204.5	186.8
35°	150.8	153.9	144.4	143.3	121.0
37.5°	94.1	108.3	95.5	101.9	77.9
40°	60.9	78.6	67.6	74.7	57.3
42.5°	49.9	60.5	55.6	59.1	51.0
45°	39.6	49.2	49.2	49.2	40.0
47.5°	21.9	32.9	42.1	33.6	23.4
50°	12.4	16.6	32.6	17.3	13.1
52.5°	8.5	9.6	22.3	9.9	8.8
55°	6.4	6.7	12.0	7.1	6.7
57.5°	5.0	5.3	6.4	5.3	5.0
60°	3.9	3.9	4.6	4.2	3.9
62.5°	2.8	2.8	3.2	2.8	2.8
65°	2.1	2.1	2.1	2.1	2.1
67.5°	1.1	1.4	1.4	1.4	1.4
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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