

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: P791351

Luminaire Tested: LER6D30D010-EC6DR3020359035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791351
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: LER6D30D010-EC6DR3020359035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4616.7 lumens
Efficiency: N/A
Efficacy: 159.2 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

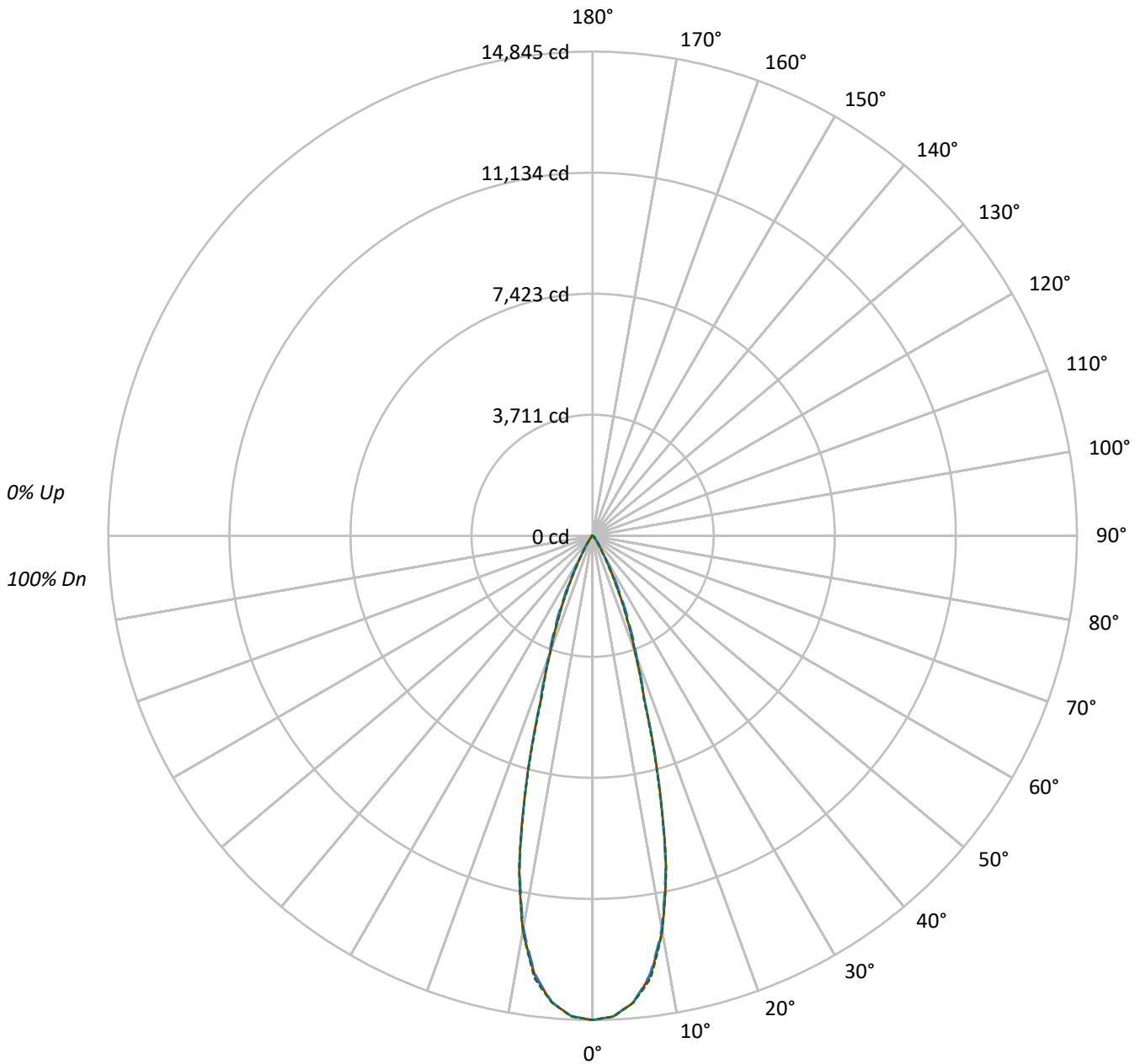
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1136279	1136279	1136279
5°	1103661	1102371	1103715
10°	955938	949199	955712
15°	623702	620350	617236
20°	310135	321775	309719
25°	156227	176167	153026
30°	62550	68153	54498
35°	29014	27790	23295
40°	12530	13909	11801
45°	8833	10966	8920
50°	3037	7990	3215
55°	1748	3310	1842
60°	1225	1454	1225
65°	797	797	797
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 10966 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1305.4	28.3
10°-20°	2102.3	45.5
20°-30°	908.5	19.7
30°-40°	207.1	4.5
40°-50°	71.1	1.5
50°-60°	17.4	0.4
60°-70°	4.5	0.1
70°-80°	0.5	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°	4316.2	93.5
0°-40°	4523.3	98.0
0°-60°	4611.7	99.9
0°-90°	4616.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4616.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14845	14845	14845	14845	14845	
5°	14364	14350	14347	14377	14365	1306
15°	7871	7776	7828	7803	7789	2107
25°	1850	1920	2086	1871	1812	885
35°	310	317	297	295	249	211
45°	82	101	101	101	82	58
55°	13	14	25	15	14	13
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
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°	14844.9	14844.9	14844.9	14844.9	14844.9
2.5°	14746.5	14736.3	14742.2	14749.4	14752.4
5°	14363.9	14350.0	14347.1	14377.0	14364.6
7.5°	13592.1	13572.4	13542.5	13610.3	13673.7
10°	12299.1	12277.2	12212.4	12244.4	12296.2
12.5°	10390.3	10319.6	10318.1	10420.2	10406.3
15°	7870.7	7775.9	7828.4	7802.9	7789.1
17.5°	5292.8	5256.4	5326.3	5305.2	5214.1
20°	3807.4	3816.9	3950.3	3883.2	3802.3
22.5°	2778.3	2812.6	2970.7	2798.0	2734.6
25°	1849.8	1919.8	2085.9	1870.9	1811.9
27.5°	1137.7	1169.8	1338.1	1123.1	1091.1
30°	707.7	691.7	771.1	661.8	616.6
32.5°	464.3	443.9	469.4	421.3	384.8
35°	310.5	317.0	297.4	295.2	249.3
37.5°	193.9	223.0	196.8	209.9	160.3
40°	125.4	161.8	139.2	153.8	118.1
42.5°	102.8	124.6	114.4	121.7	105.0
45°	81.6	101.3	101.3	101.3	82.4
47.5°	45.2	67.8	86.7	69.2	48.1
50°	25.5	34.3	67.1	35.7	27.0
52.5°	17.5	19.7	45.9	20.4	18.2
55°	13.1	13.8	24.8	14.6	13.8
57.5°	10.2	10.9	13.1	10.9	10.2
60°	8.0	8.0	9.5	8.7	8.0
62.5°	5.8	5.8	6.6	5.8	5.8
65°	4.4	4.4	4.4	4.4	4.4
67.5°	2.2	2.9	2.9	2.9	2.9
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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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