

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P791359

Luminaire Tested: LER6D30D010-EC6DR3020359040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791359
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-EC6DR3020359040-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4744.3 lumens
Efficiency: N/A
Efficacy: 163.6 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

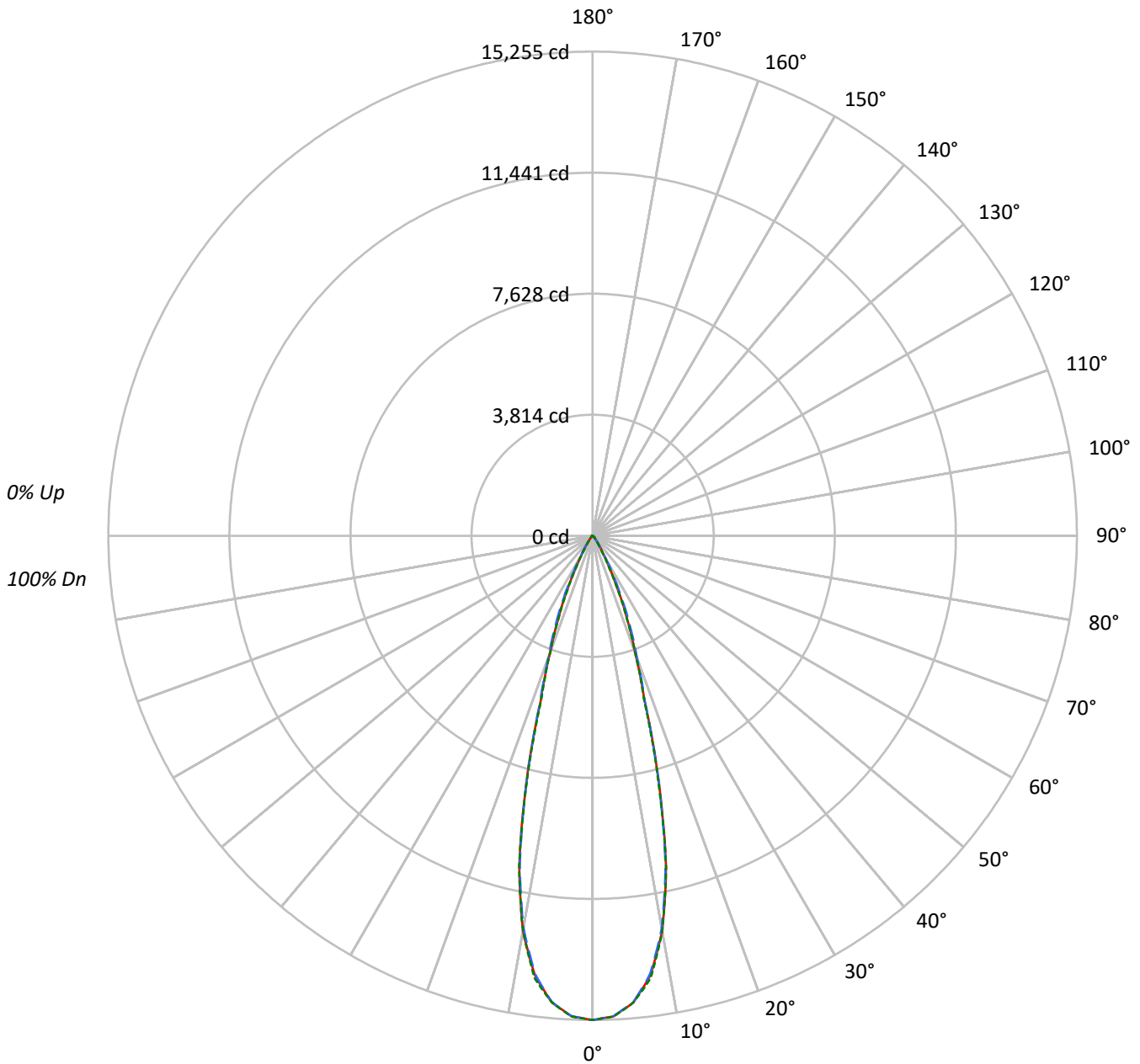
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P791359
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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°	1167700	1167700	1167700
5°	1134173	1132851	1134234
10°	982372	975439	982139
15°	640946	637506	634297
20°	318712	330670	318288
25°	160543	181041	157258
30°	64282	70036	56001
35°	29817	28556	23940
40°	12870	14299	12120
45°	9082	11269	9158
50°	3120	8205	3299
55°	1802	3403	1895
60°	1255	1485	1255
65°	815	815	815
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: 11269 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1341.5	28.3
10°-20°	2160.5	45.5
20°-30°	933.6	19.7
30°-40°	212.8	4.5
40°-50°	73.1	1.5
50°-60°	17.8	0.4
60°-70°	4.6	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°	4435.5	93.5
0°-40°	4648.3	98.0
0°-60°	4739.2	99.9
0°-90°	4744.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4744.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15255	15255	15255	15255	15255	
5°	14761	14747	14744	14774	14762	1343
15°	8088	7991	8045	8019	8004	2166
25°	1901	1973	2144	1923	1862	910
35°	319	326	306	303	256	216
45°	84	104	104	104	85	60
55°	14	14	26	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°	15255.4	15255.4	15255.4	15255.4	15255.4
2.5°	15154.3	15143.8	15149.8	15157.3	15160.3
5°	14761.0	14746.8	14743.8	14774.5	14761.8
7.5°	13967.9	13947.6	13916.9	13986.6	14051.8
10°	12639.2	12616.7	12550.0	12583.0	12636.2
12.5°	10677.6	10604.9	10603.4	10708.3	10694.0
15°	8088.3	7990.9	8044.9	8018.7	8004.4
17.5°	5439.1	5401.7	5473.6	5451.9	5358.3
20°	3912.7	3922.4	4059.5	3990.6	3907.5
22.5°	2855.1	2890.3	3052.9	2875.4	2810.2
25°	1900.9	1972.8	2143.6	1922.7	1862.0
27.5°	1169.2	1202.1	1375.1	1154.2	1121.2
30°	727.3	710.8	792.4	680.1	633.6
32.5°	477.1	456.1	482.3	432.9	395.5
35°	319.1	325.8	305.6	303.3	256.2
37.5°	199.2	229.2	202.2	215.7	164.8
40°	128.8	166.3	143.1	158.0	121.3
42.5°	105.6	128.1	117.6	125.1	107.9
45°	83.9	104.1	104.1	104.1	84.6
47.5°	46.4	69.7	89.1	71.2	49.4
50°	26.2	35.2	68.9	36.7	27.7
52.5°	18.0	20.2	47.2	21.0	18.7
55°	13.5	14.2	25.5	15.0	14.2
57.5°	10.5	11.2	13.5	11.2	10.5
60°	8.2	8.2	9.7	9.0	8.2
62.5°	6.0	6.0	6.7	6.0	6.0
65°	4.5	4.5	4.5	4.5	4.5
67.5°	2.2	3.0	3.0	3.0	3.0
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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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