

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: P791327

Luminaire Tested: LER6D30D010-EC6DR3020359024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791327
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-EC6DR3020359024-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3815.3 lumens
Efficiency: N/A
Efficacy: 131.6 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

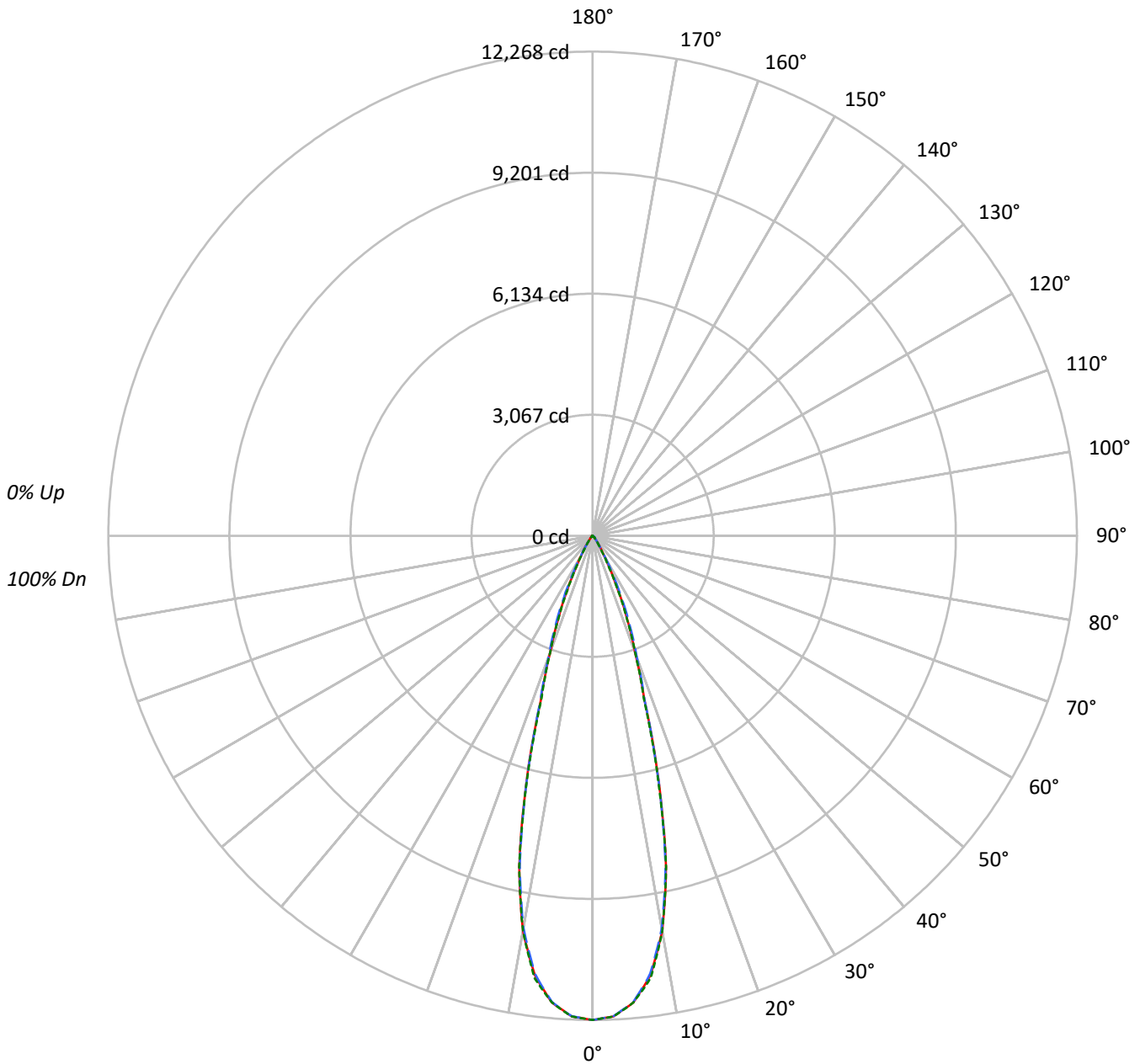


Downlight

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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°	939050	939050	939050
5°	912087	911026	912133
10°	790004	784439	789818
15°	515440	512674	510091
20°	256301	265921	255958
25°	129108	145594	126465
30°	51696	56328	45041
35°	23977	22959	19249
40°	10352	11491	9752
45°	7307	9060	7372
50°	2513	6597	2655
55°	1441	2736	1521
60°	1010	1194	1010
65°	652	652	652
70°	403	269	403
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 9060 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1078.8	28.3
10°-20°	1737.4	45.5
20°-30°	750.8	19.7
30°-40°	171.1	4.5
40°-50°	58.8	1.5
50°-60°	14.3	0.4
60°-70°	3.7	0.1
70°-80°	0.4	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°	3567.0	93.5
0°-40°	3738.1	98.0
0°-60°	3811.2	99.9
0°-90°	3815.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3815.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12268	12268	12268	12268	12268	
5°	11871	11859	11857	11882	11871	1080
15°	6504	6426	6470	6448	6437	1742
25°	1529	1586	1724	1546	1497	732
35°	257	262	246	244	206	174
45°	68	84	84	84	68	48
55°	11	11	20	12	11	11
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°	12268.2	12268.2	12268.2	12268.2	12268.2
2.5°	12186.8	12178.4	12183.2	12189.2	12191.7
5°	11870.6	11859.2	11856.8	11881.5	11871.2
7.5°	11232.8	11216.5	11191.8	11247.8	11300.2
10°	10164.2	10146.2	10092.6	10119.1	10161.8
12.5°	8586.7	8528.3	8527.1	8611.4	8600.0
15°	6504.5	6426.2	6469.6	6448.5	6437.0
17.5°	4374.1	4344.0	4401.8	4384.3	4309.0
20°	3146.5	3154.4	3264.6	3209.2	3142.3
22.5°	2296.1	2324.4	2455.1	2312.3	2259.9
25°	1528.7	1586.5	1723.9	1546.2	1497.4
27.5°	940.2	966.7	1105.9	928.2	901.7
30°	584.9	571.6	637.3	546.9	509.6
32.5°	383.7	366.8	387.9	348.1	318.0
35°	256.6	262.0	245.7	243.9	206.0
37.5°	160.2	184.3	162.6	173.5	132.5
40°	103.6	133.7	115.0	127.1	97.6
42.5°	84.9	103.0	94.6	100.6	86.7
45°	67.5	83.7	83.7	83.7	68.1
47.5°	37.3	56.0	71.7	57.2	39.8
50°	21.1	28.3	55.4	29.5	22.3
52.5°	14.5	16.3	37.9	16.9	15.1
55°	10.8	11.4	20.5	12.0	11.4
57.5°	8.4	9.0	10.8	9.0	8.4
60°	6.6	6.6	7.8	7.2	6.6
62.5°	4.8	4.8	5.4	4.8	4.8
65°	3.6	3.6	3.6	3.6	3.6
67.5°	1.8	2.4	2.4	2.4	2.4
70°	1.8	1.2	1.2	1.2	1.8
72.5°	1.2	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	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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(END OF REPORT)