

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: P791347

Luminaire Tested: LER6D30D010-EC6DR3020359030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791347
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-EC6DR3020359030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5360.9 lumens
Efficiency: N/A
Efficacy: 184.9 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): 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

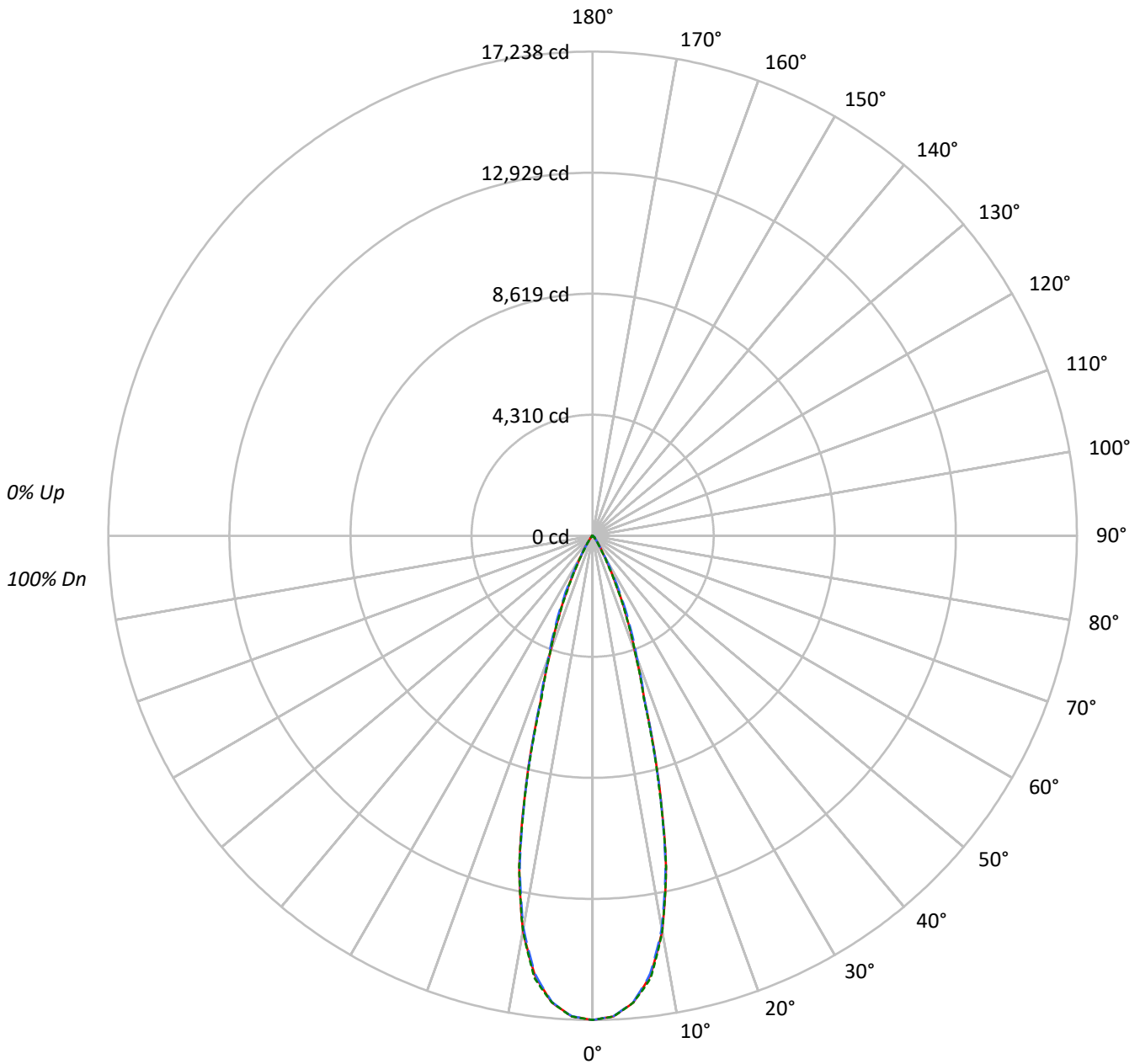


Downlight

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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	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°	1319447	1319447	1319447
5°	1281575	1280076	1281636
10°	1110034	1102207	1109769
15°	724246	720356	716734
20°	360132	373646	359652
25°	181412	204570	177696
30°	72635	79140	63283
35°	33686	32266	27042
40°	14548	16147	13699
45°	10262	12730	10349
50°	3525	9276	3727
55°	2028	3843	2149
60°	1424	1684	1424
65°	924	924	924
70°	559	380	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 12730 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1515.8	28.3
10°-20°	2441.2	45.5
20°-30°	1054.9	19.7
30°-40°	240.4	4.5
40°-50°	82.6	1.5
50°-60°	20.2	0.4
60°-70°	5.2	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°	5012.0	93.5
0°-40°	5252.4	98.0
0°-60°	5355.1	99.9
0°-90°	5360.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5360.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17238	17238	17238	17238	17238	
5°	16679	16663	16660	16695	16680	1517
15°	9140	9029	9090	9061	9045	2447
25°	2148	2229	2422	2172	2104	1028
35°	360	368	345	343	289	245
45°	95	118	118	118	96	67
55°	15	16	29	17	16	15
65°	5	5	5	5	5	5
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°	17237.9	17237.9	17237.9	17237.9	17237.9
2.5°	17123.7	17111.8	17118.6	17127.1	17130.5
5°	16679.4	16663.3	16659.9	16694.6	16680.2
7.5°	15783.1	15760.3	15725.6	15804.3	15877.9
10°	14281.7	14256.3	14181.0	14218.3	14278.3
12.5°	12065.2	11983.1	11981.4	12099.9	12083.8
15°	9139.5	9029.4	9090.4	9060.8	9044.7
17.5°	6146.0	6103.7	6184.9	6160.4	6054.6
20°	4421.2	4432.2	4587.1	4509.2	4415.3
22.5°	3226.2	3266.0	3449.6	3249.0	3175.4
25°	2148.0	2229.2	2422.2	2172.5	2104.0
27.5°	1321.1	1358.4	1553.9	1304.2	1266.9
30°	821.8	803.2	895.4	768.5	716.0
32.5°	539.1	515.4	545.0	489.2	446.9
35°	360.5	368.2	345.3	342.8	289.4
37.5°	225.1	259.0	228.5	243.7	186.2
40°	145.6	187.9	161.6	178.6	137.1
42.5°	119.3	144.7	132.9	141.3	121.9
45°	94.8	117.6	117.6	117.6	95.6
47.5°	52.5	78.7	100.7	80.4	55.9
50°	29.6	39.8	77.9	41.5	31.3
52.5°	20.3	22.9	53.3	23.7	21.2
55°	15.2	16.1	28.8	16.9	16.1
57.5°	11.8	12.7	15.2	12.7	11.8
60°	9.3	9.3	11.0	10.2	9.3
62.5°	6.8	6.8	7.6	6.8	6.8
65°	5.1	5.1	5.1	5.1	5.1
67.5°	2.5	3.4	3.4	3.4	3.4
70°	2.5	1.7	1.7	1.7	2.5
72.5°	1.7	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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)