

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: P791333

Luminaire Tested: LER6D30D010-EC6DR3020359024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791333
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-EC6DR3020359024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5237.8 lumens
Efficiency: N/A
Efficacy: 180.6 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

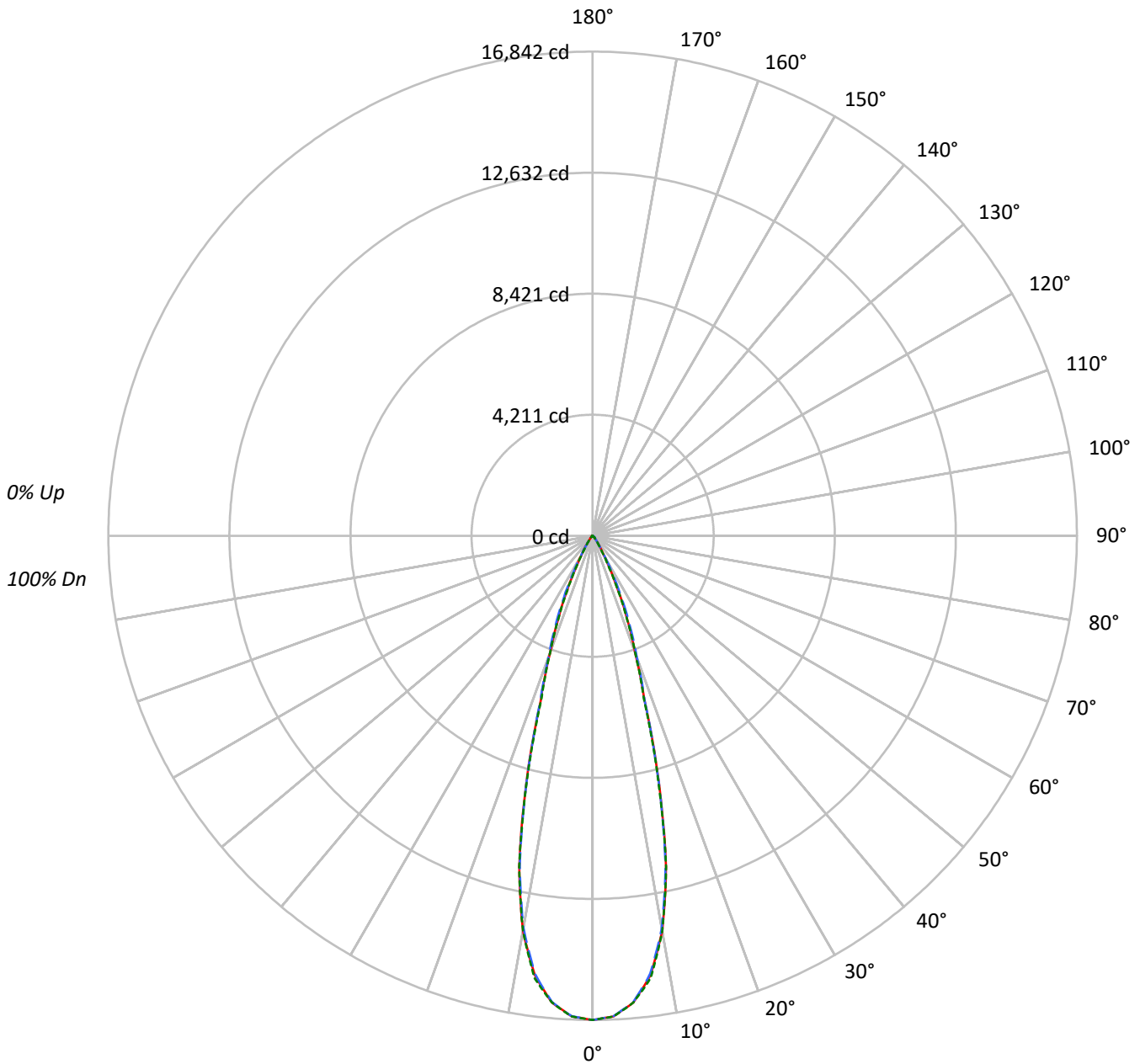


Downlight

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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1289159	1289159	1289159
5°	1252147	1250687	1252216
10°	1084556	1076908	1084291
15°	707613	703817	700275
20°	351865	365069	351392
25°	177248	199874	173617
30°	70964	77328	61834
35°	32920	31527	26425
40°	14209	15777	13389
45°	10024	12438	10110
50°	3441	9062	3644
55°	1988	3750	2095
60°	1393	1638	1393
65°	906	906	906
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: 12438 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1481.0	28.3
10°-20°	2385.2	45.5
20°-30°	1030.7	19.7
30°-40°	234.9	4.5
40°-50°	80.7	1.5
50°-60°	19.7	0.4
60°-70°	5.1	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°	4896.9	93.5
0°-40°	5131.8	98.0
0°-60°	5232.2	99.9
0°-90°	5237.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5237.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16842	16842	16842	16842	16842	
5°	16296	16281	16277	16311	16297	1482
15°	8930	8822	8882	8853	8837	2391
25°	2099	2178	2367	2123	2056	1005
35°	352	360	337	335	283	239
45°	93	115	115	115	93	66
55°	15	16	28	16	16	14
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°	16842.2	16842.2	16842.2	16842.2	16842.2
2.5°	16730.6	16719.0	16725.6	16733.9	16737.2
5°	16296.4	16280.7	16277.4	16311.3	16297.3
7.5°	15420.8	15398.4	15364.5	15441.4	15513.4
10°	13953.9	13929.0	13855.5	13891.8	13950.5
12.5°	11788.2	11708.0	11706.4	11822.1	11806.4
15°	8929.6	8822.1	8881.7	8852.7	8837.0
17.5°	6004.9	5963.6	6042.9	6019.0	5915.6
20°	4319.7	4330.4	4481.8	4405.7	4313.9
22.5°	3152.1	3191.0	3370.4	3174.5	3102.5
25°	2098.7	2178.0	2366.6	2122.6	2055.7
27.5°	1290.8	1327.2	1518.2	1274.2	1237.9
30°	802.9	784.7	874.9	750.8	699.6
32.5°	526.7	503.6	532.5	477.9	436.6
35°	352.3	359.7	337.4	334.9	282.8
37.5°	220.0	253.0	223.3	238.1	181.9
40°	142.2	183.6	157.9	174.5	134.0
42.5°	116.6	141.4	129.8	138.1	119.1
45°	92.6	114.9	114.9	114.9	93.4
47.5°	51.3	76.9	98.4	78.6	54.6
50°	28.9	38.9	76.1	40.5	30.6
52.5°	19.8	22.3	52.1	23.2	20.7
55°	14.9	15.7	28.1	16.5	15.7
57.5°	11.6	12.4	14.9	12.4	11.6
60°	9.1	9.1	10.7	9.9	9.1
62.5°	6.6	6.6	7.4	6.6	6.6
65°	5.0	5.0	5.0	5.0	5.0
67.5°	2.5	3.3	3.3	3.3	3.3
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)