

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: P791339

Luminaire Tested: LER6D30D010-EC6DR3020359027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791339
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-EC6DR3020359027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5191.9 lumens
Efficiency: N/A
Efficacy: 179.0 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

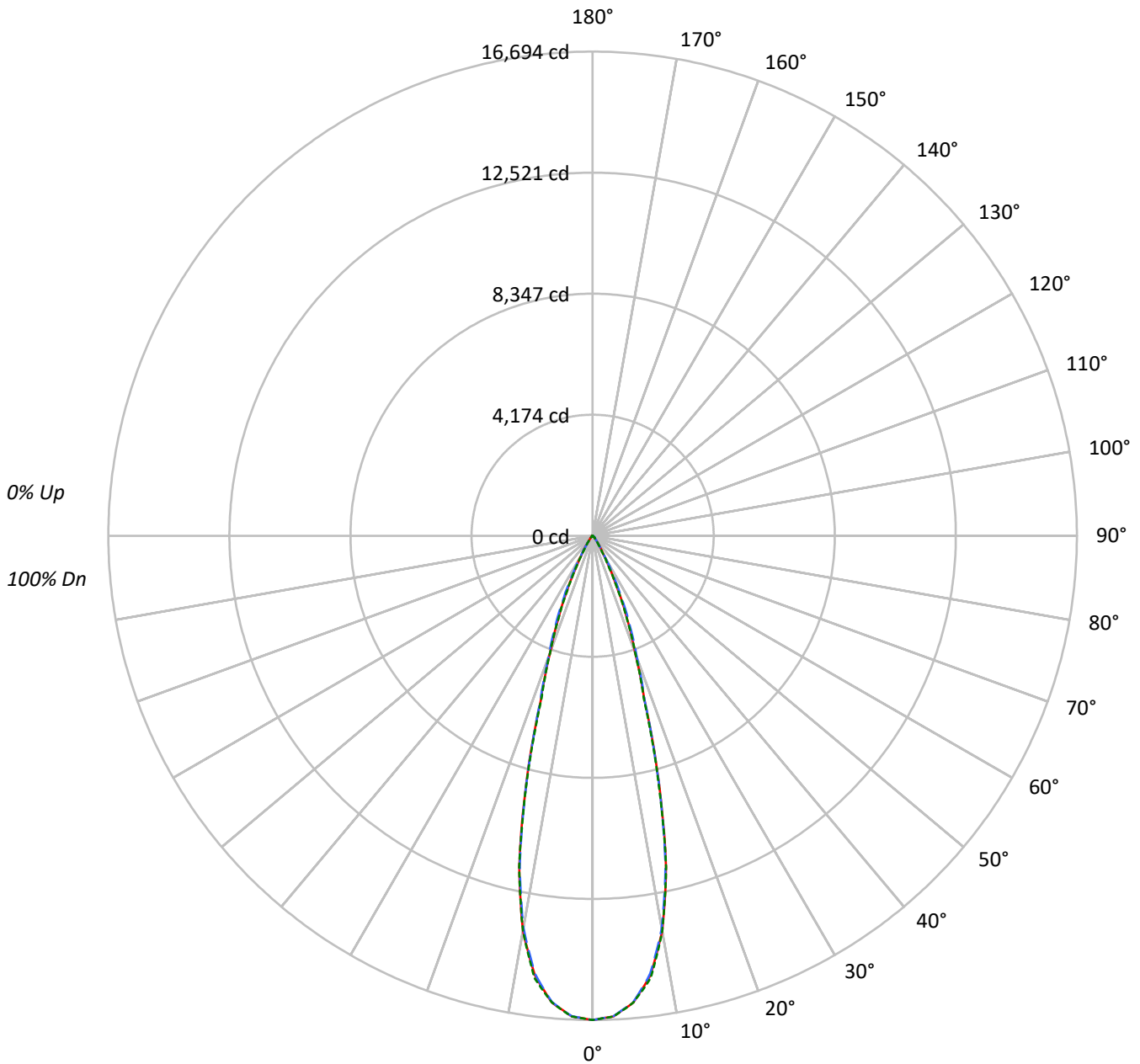


Downlight

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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°	1277846	1277846	1277846
5°	1241159	1239715	1241228
10°	1075035	1067456	1074778
15°	701408	697636	694134
20°	348777	361859	348313
25°	175686	198118	172088
30°	70345	76647	61286
35°	32630	31247	26192
40°	14089	15648	13269
45°	9937	12330	10024
50°	3418	8979	3608
55°	1975	3723	2082
60°	1378	1638	1378
65°	887	887	887
70°	559	358	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: 12330 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1468.0	28.3
10°-20°	2364.3	45.5
20°-30°	1021.7	19.7
30°-40°	232.9	4.5
40°-50°	80.0	1.5
50°-60°	19.5	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°	4853.9	93.5
0°-40°	5086.8	98.0
0°-60°	5186.3	99.9
0°-90°	5191.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5191.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16694	16694	16694	16694	16694	
5°	16153	16138	16135	16168	16154	1469
15°	8851	8745	8804	8775	8760	2370
25°	2080	2159	2346	2104	2038	996
35°	349	356	334	332	280	237
45°	92	114	114	114	93	65
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°	16694.4	16694.4	16694.4	16694.4	16694.4
2.5°	16583.8	16572.3	16578.8	16587.0	16590.3
5°	16153.4	16137.9	16134.6	16168.2	16154.3
7.5°	15285.4	15263.3	15229.7	15305.9	15377.2
10°	13831.4	13806.8	13733.9	13769.9	13828.1
12.5°	11684.8	11605.3	11603.6	11718.4	11702.8
15°	8851.3	8744.7	8803.7	8775.1	8759.5
17.5°	5952.2	5911.2	5989.9	5966.2	5863.7
20°	4281.8	4292.4	4442.4	4367.0	4276.1
22.5°	3124.5	3163.0	3340.8	3146.6	3075.3
25°	2080.2	2158.9	2345.8	2104.0	2037.6
27.5°	1279.5	1315.5	1504.9	1263.1	1227.0
30°	795.9	777.8	867.2	744.2	693.4
32.5°	522.1	499.2	527.8	473.8	432.8
35°	349.2	356.5	334.4	332.0	280.3
37.5°	218.0	250.8	221.3	236.1	180.3
40°	141.0	182.0	156.6	172.9	132.8
42.5°	115.6	140.2	128.7	136.9	118.0
45°	91.8	113.9	113.9	113.9	92.6
47.5°	50.8	76.2	97.5	77.9	54.1
50°	28.7	38.5	75.4	40.2	30.3
52.5°	19.7	22.1	51.6	22.9	20.5
55°	14.8	15.6	27.9	16.4	15.6
57.5°	11.5	12.3	14.8	12.3	11.5
60°	9.0	9.0	10.7	9.8	9.0
62.5°	6.6	6.6	7.4	6.6	6.6
65°	4.9	4.9	4.9	4.9	4.9
67.5°	2.5	3.3	3.3	3.3	3.3
70°	2.5	1.6	1.6	1.6	2.5
72.5°	1.6	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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