

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: P790212

Luminaire Tested: LER6D20D010-EC6DR3020359040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790212
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: LER6D20D010-EC6DR3020359040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3732.5 lumens
Efficiency: N/A
Efficacy: 161.6 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

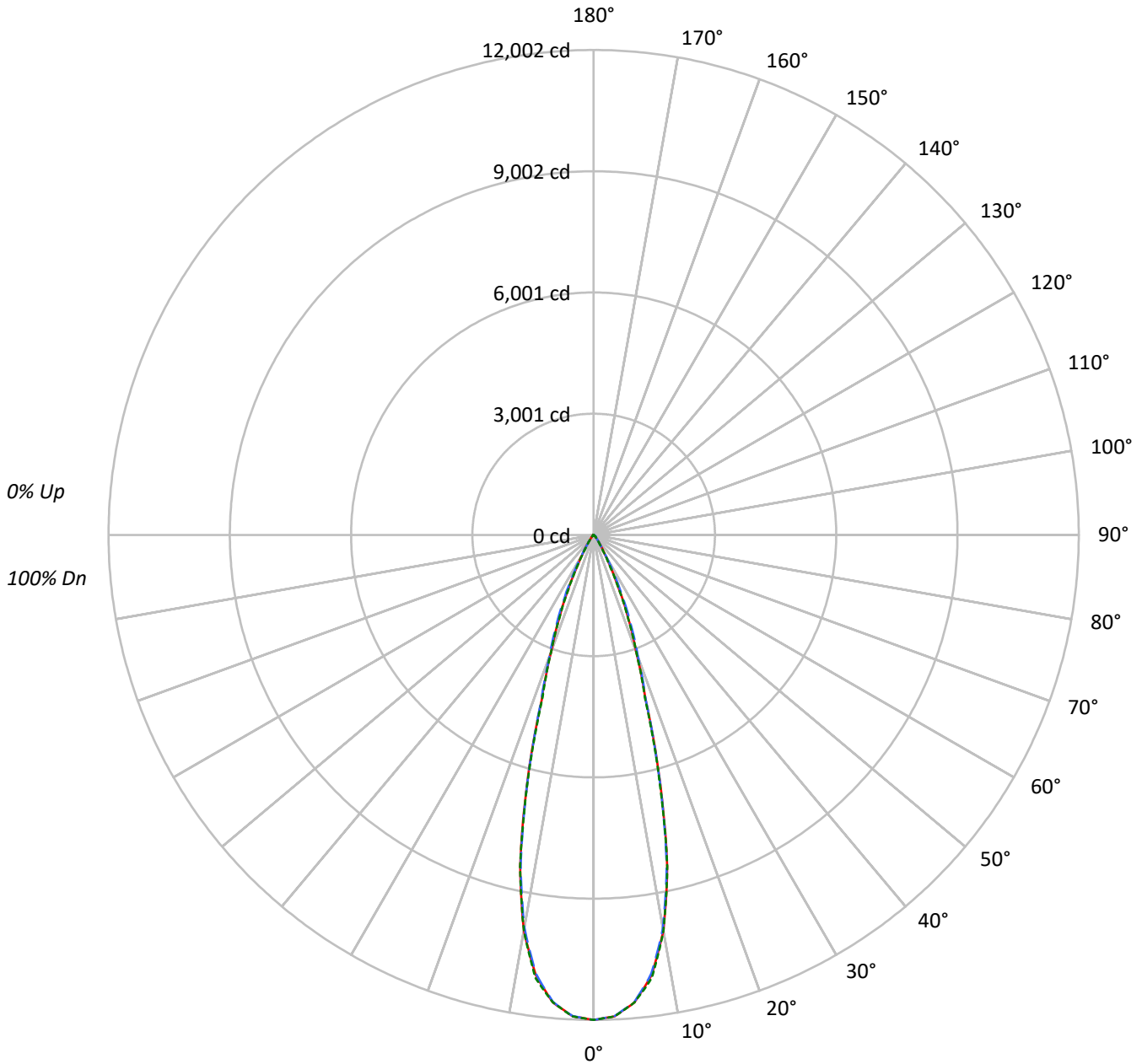
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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					70					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°	918674	918674	918674
5°	892294	891257	892340
10°	772866	767418	772680
15°	504258	501548	499028
20°	250745	260153	250403
25°	126304	142427	123720
30°	50574	55099	44060
35°	23454	22464	18829
40°	10132	11241	9542
45°	7144	8866	7209
50°	2453	6454	2596
55°	1415	2669	1495
60°	995	1179	995
65°	634	634	634
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: 8866 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1055.4	28.3
10°-20°	1699.7	45.5
20°-30°	734.5	19.7
30°-40°	167.4	4.5
40°-50°	57.5	1.5
50°-60°	14.0	0.4
60°-70°	3.6	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°	3489.6	93.5
0°-40°	3657.0	98.0
0°-60°	3728.5	99.9
0°-90°	3732.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3732.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12002	12002	12002	12002	12002	
5°	11613	11602	11600	11624	11614	1056
15°	6363	6287	6329	6309	6297	1704
25°	1496	1552	1686	1513	1465	716
35°	251	256	240	239	202	170
45°	66	82	82	82	67	47
55°	11	11	20	12	11	10
65°	4	4	4	4	4	3
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°	12002.0	12002.0	12002.0	12002.0	12002.0
2.5°	11922.4	11914.2	11918.9	11924.8	11927.1
5°	11613.0	11601.8	11599.5	11623.7	11613.6
7.5°	10989.0	10973.1	10949.0	11003.8	11055.0
10°	9943.7	9926.0	9873.6	9899.5	9941.3
12.5°	8400.4	8343.3	8342.1	8424.6	8413.4
15°	6363.4	6286.8	6329.2	6308.6	6297.4
17.5°	4279.2	4249.7	4306.3	4289.2	4215.5
20°	3078.3	3085.9	3193.8	3139.6	3074.1
22.5°	2246.2	2273.9	2401.8	2262.2	2210.9
25°	1495.5	1552.1	1686.4	1512.6	1464.9
27.5°	919.8	945.8	1081.9	908.0	882.1
30°	572.2	559.2	623.4	535.0	498.5
32.5°	375.4	358.9	379.5	340.6	311.1
35°	251.0	256.3	240.4	238.6	201.5
37.5°	156.7	180.3	159.1	169.7	129.6
40°	101.4	130.8	112.5	124.3	95.5
42.5°	83.1	100.8	92.5	98.4	84.9
45°	66.0	81.9	81.9	81.9	66.6
47.5°	36.5	54.8	70.1	56.0	38.9
50°	20.6	27.7	54.2	28.9	21.8
52.5°	14.1	15.9	37.1	16.5	14.7
55°	10.6	11.2	20.0	11.8	11.2
57.5°	8.2	8.8	10.6	8.8	8.2
60°	6.5	6.5	7.7	7.1	6.5
62.5°	4.7	4.7	5.3	4.7	4.7
65°	3.5	3.5	3.5	3.5	3.5
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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