

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: P790184

Luminaire Tested: LER6D20D010-EC6DR3020359027-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790184
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-EC6DR3020359027-6LBDDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3165.5 lumens
Efficiency: N/A
Efficacy: 137.0 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

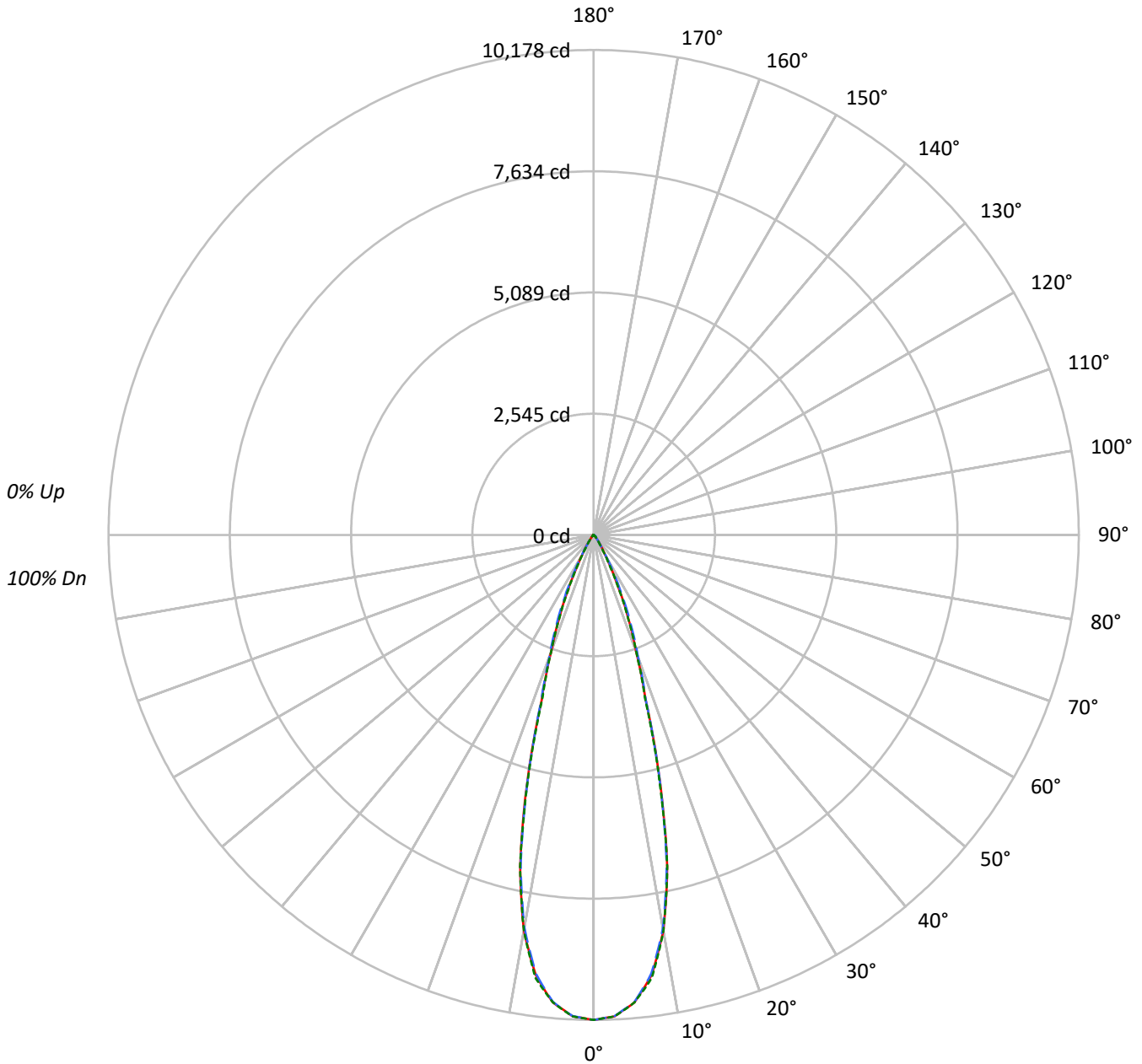
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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									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°	779097	779097	779097
5°	756733	755849	756771
10°	655448	650824	655293
15°	427646	425348	423208
20°	212648	220623	212363
25°	107116	120789	104920
30°	42884	46729	37369
35°	19894	19053	15969
40°	8593	9532	8094
45°	6062	7523	6116
50°	2084	5478	2203
55°	1201	2269	1268
60°	842	995	842
65°	543	543	543
70°	336	224	336
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 7523 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	895.0	28.3
10°-20°	1441.5	45.5
20°-30°	622.9	19.7
30°-40°	142.0	4.5
40°-50°	48.8	1.5
50°-60°	11.9	0.4
60°-70°	3.1	0.1
70°-80°	0.3	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°	2959.4	93.5
0°-40°	3101.4	98.0
0°-60°	3162.1	99.9
0°-90°	3165.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3165.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10178	10178	10178	10178	10178	
5°	9849	9839	9837	9858	9849	896
15°	5397	5332	5368	5350	5341	1445
25°	1268	1316	1430	1283	1242	607
35°	213	217	204	202	171	144
45°	56	70	70	70	56	40
55°	9	10	17	10	10	9
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
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°	10178.5	10178.5	10178.5	10178.5	10178.5
2.5°	10111.1	10104.1	10108.1	10113.1	10115.1
5°	9848.7	9839.2	9837.2	9857.7	9849.2
7.5°	9319.5	9306.0	9285.5	9332.0	9375.5
10°	8433.0	8418.0	8373.5	8395.5	8431.0
12.5°	7124.2	7075.7	7074.7	7144.7	7135.2
15°	5396.6	5331.6	5367.6	5350.1	5340.6
17.5°	3629.1	3604.1	3652.0	3637.5	3575.1
20°	2610.6	2617.1	2708.5	2662.6	2607.1
22.5°	1905.0	1928.5	2036.9	1918.5	1875.0
25°	1268.3	1316.3	1430.2	1282.8	1242.3
27.5°	780.1	802.1	917.5	770.1	748.1
30°	485.2	474.2	528.7	453.8	422.8
32.5°	318.3	304.3	321.8	288.8	263.9
35°	212.9	217.4	203.9	202.4	170.9
37.5°	132.9	152.9	134.9	143.9	109.9
40°	86.0	110.9	95.4	105.4	81.0
42.5°	70.5	85.5	78.5	83.5	72.0
45°	56.0	69.5	69.5	69.5	56.5
47.5°	31.0	46.5	59.5	47.5	33.0
50°	17.5	23.5	46.0	24.5	18.5
52.5°	12.0	13.5	31.5	14.0	12.5
55°	9.0	9.5	17.0	10.0	9.5
57.5°	7.0	7.5	9.0	7.5	7.0
60°	5.5	5.5	6.5	6.0	5.5
62.5°	4.0	4.0	4.5	4.0	4.0
65°	3.0	3.0	3.0	3.0	3.0
67.5°	1.5	2.0	2.0	2.0	2.0
70°	1.5	1.0	1.0	1.0	1.5
72.5°	1.0	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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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