

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: P790220

Luminaire Tested: LER6D20D010-EC6DR3020359050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790220
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-EC6DR3020359050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3688.5 lumens
Efficiency: N/A
Efficacy: 159.7 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

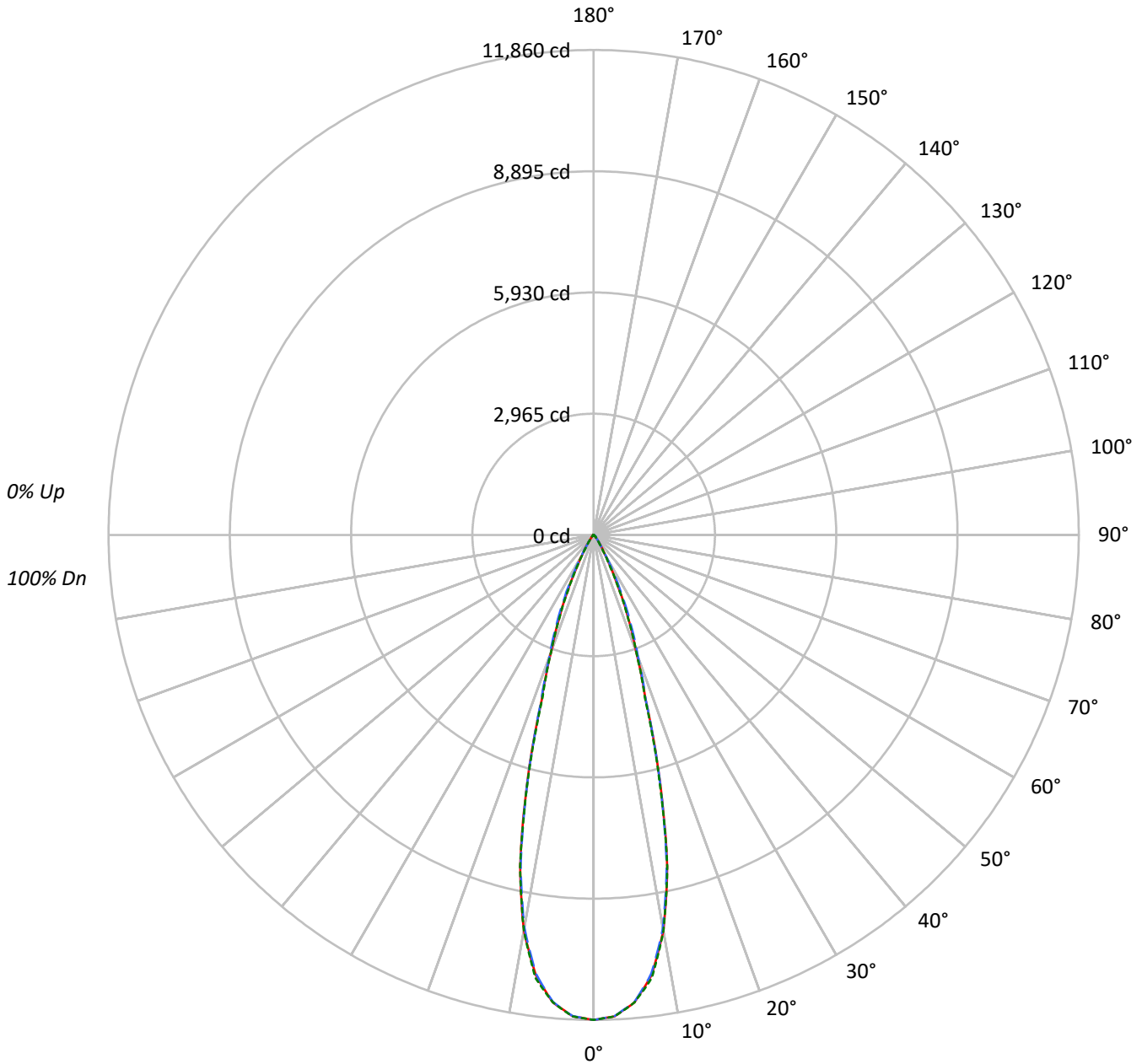
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	907835	907835	907835
5°	881775	880745	881821
10°	763749	758363	763570
15°	498307	495637	493141
20°	247788	257083	247455
25°	124818	140755	122259
30°	49973	54454	43538
35°	23183	22202	18604
40°	10012	11111	9422
45°	7058	8757	7123
50°	2429	6383	2560
55°	1401	2642	1481
60°	980	1163	980
65°	634	634	634
70°	380	269	380
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 8757 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1042.9	28.3
10°-20°	1679.7	45.5
20°-30°	725.8	19.7
30°-40°	165.4	4.5
40°-50°	56.8	1.5
50°-60°	13.9	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°	3448.4	93.5
0°-40°	3613.9	98.0
0°-60°	3684.6	99.9
0°-90°	3688.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3688.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11860	11860	11860	11860	11860	
5°	11476	11465	11463	11487	11477	1044
15°	6288	6213	6255	6234	6223	1684
25°	1478	1534	1667	1495	1448	707
35°	248	253	238	236	199	168
45°	65	81	81	81	66	46
55°	10	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°	11860.4	11860.4	11860.4	11860.4	11860.4
2.5°	11781.8	11773.7	11778.3	11784.1	11786.5
5°	11476.1	11465.0	11462.7	11486.6	11476.7
7.5°	10859.4	10843.7	10819.8	10874.0	10924.7
10°	9826.4	9809.0	9757.1	9782.8	9824.1
12.5°	8301.4	8244.9	8243.7	8325.2	8314.2
15°	6288.3	6212.6	6254.6	6234.2	6223.1
17.5°	4228.7	4199.6	4255.5	4238.6	4165.8
20°	3042.0	3049.5	3156.1	3102.5	3037.9
22.5°	2219.8	2247.1	2373.5	2235.5	2184.8
25°	1477.9	1533.8	1666.6	1494.8	1447.6
27.5°	909.0	934.6	1069.1	897.3	871.7
30°	565.4	552.6	616.1	528.7	492.6
32.5°	370.9	354.6	375.0	336.6	307.5
35°	248.1	253.3	237.6	235.8	199.1
37.5°	154.9	178.2	157.2	167.7	128.1
40°	100.2	129.3	111.2	122.9	94.3
42.5°	82.1	99.6	91.4	97.2	83.9
45°	65.2	80.9	80.9	80.9	65.8
47.5°	36.1	54.2	69.3	55.3	38.4
50°	20.4	27.4	53.6	28.5	21.5
52.5°	14.0	15.7	36.7	16.3	14.6
55°	10.5	11.1	19.8	11.6	11.1
57.5°	8.2	8.7	10.5	8.7	8.2
60°	6.4	6.4	7.6	7.0	6.4
62.5°	4.7	4.7	5.2	4.7	4.7
65°	3.5	3.5	3.5	3.5	3.5
67.5°	1.7	2.3	2.3	2.3	2.3
70°	1.7	1.2	1.2	1.2	1.7
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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