

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: P790206

Luminaire Tested: LER6D20D010-EC6DR3020359035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790206
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-EC6DR3020359035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3452.5 lumens
Efficiency: N/A
Efficacy: 149.5 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

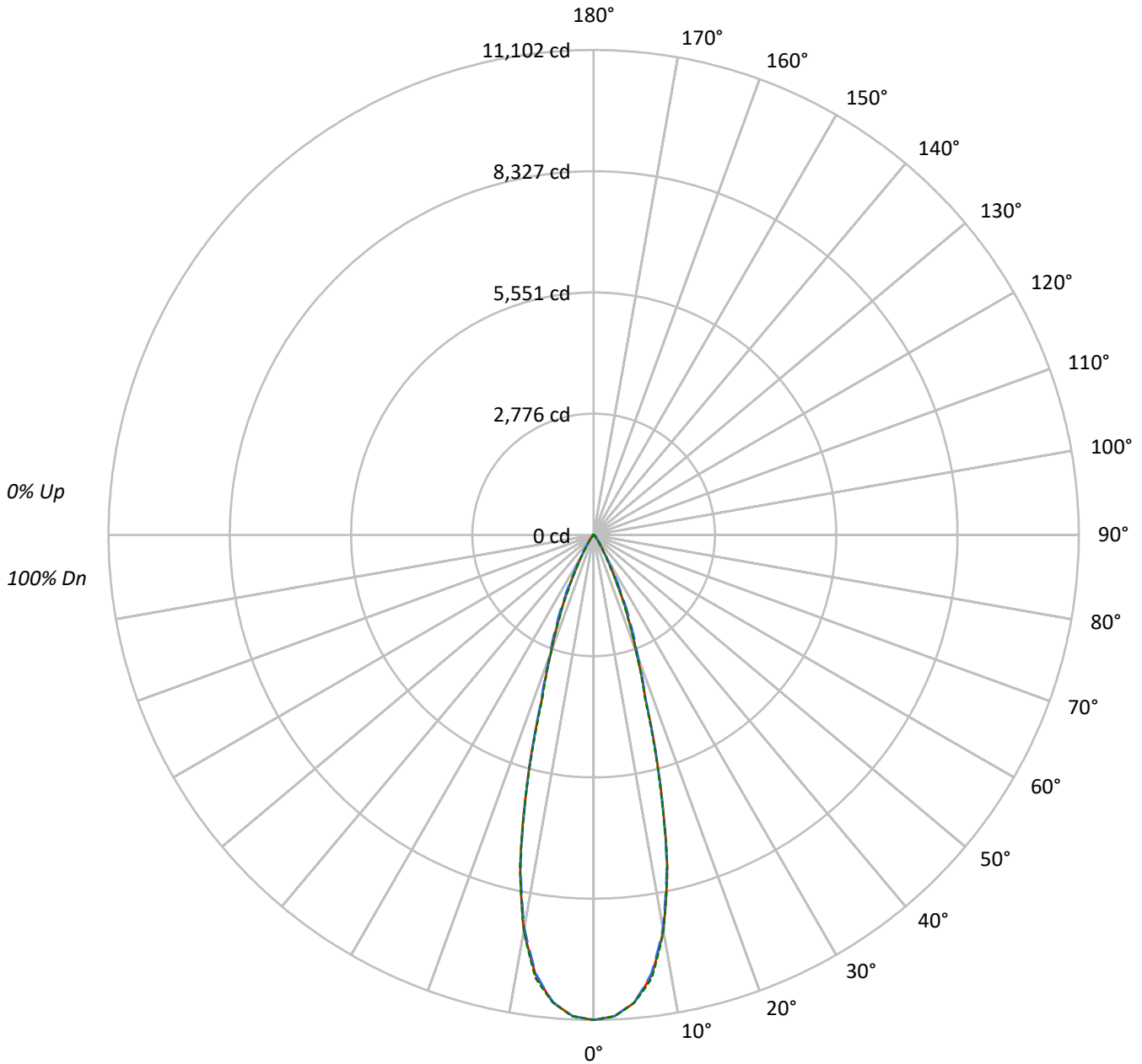
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	849747	849747	849747
5°	825355	824394	825393
10°	714884	709840	714713
15°	466428	463923	461586
20°	231929	240637	231620
25°	116828	131743	114438
30°	46773	50971	40754
35°	21697	20782	17418
40°	9363	10402	8823
45°	6603	8205	6668
50°	2274	5966	2405
55°	1308	2469	1388
60°	919	1087	919
65°	598	598	598
70°	358	246	358
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 8205 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	976.2	28.3
10°-20°	1572.2	45.5
20°-30°	679.4	19.7
30°-40°	154.8	4.5
40°-50°	53.2	1.5
50°-60°	13.0	0.4
60°-70°	3.4	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°	3227.8	93.5
0°-40°	3382.6	98.0
0°-60°	3448.8	99.9
0°-90°	3452.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3452.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11102	11102	11102	11102	11102	
5°	10742	10731	10729	10752	10742	977
15°	5886	5815	5854	5835	5825	1576
25°	1383	1436	1560	1399	1355	662
35°	232	237	222	221	186	157
45°	61	76	76	76	62	43
55°	10	10	18	11	10	10
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°	11101.5	11101.5	11101.5	11101.5	11101.5
2.5°	11027.9	11020.3	11024.7	11030.1	11032.3
5°	10741.8	10731.4	10729.3	10751.6	10742.3
7.5°	10164.6	10149.9	10127.5	10178.2	10225.6
10°	9197.7	9181.3	9132.8	9156.8	9195.5
12.5°	7770.2	7717.3	7716.2	7792.5	7782.2
15°	5886.0	5815.1	5854.4	5835.3	5824.9
17.5°	3958.1	3930.9	3983.2	3967.4	3899.3
20°	2847.3	2854.4	2954.2	2904.0	2843.5
22.5°	2077.7	2103.3	2221.6	2092.4	2045.0
25°	1383.3	1435.7	1559.9	1399.1	1355.0
27.5°	850.8	874.8	1000.7	839.9	815.9
30°	529.2	517.2	576.7	494.9	461.1
32.5°	347.2	331.9	351.0	315.0	287.8
35°	232.2	237.1	222.4	220.7	186.4
37.5°	145.0	166.8	147.2	157.0	119.9
40°	93.7	121.0	104.1	115.0	88.3
42.5°	76.9	93.2	85.6	91.0	78.5
45°	61.0	75.8	75.8	75.8	61.6
47.5°	33.8	50.7	64.9	51.8	36.0
50°	19.1	25.6	50.1	26.7	20.2
52.5°	13.1	14.7	34.3	15.3	13.6
55°	9.8	10.4	18.5	10.9	10.4
57.5°	7.6	8.2	9.8	8.2	7.6
60°	6.0	6.0	7.1	6.5	6.0
62.5°	4.4	4.4	4.9	4.4	4.4
65°	3.3	3.3	3.3	3.3	3.3
67.5°	1.6	2.2	2.2	2.2	2.2
70°	1.6	1.1	1.1	1.1	1.6
72.5°	1.1	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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