

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: P790196

Luminaire Tested: LER6D20D010-EC6DR3020359030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790196
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-EC6DR3020359030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3440.6 lumens
Efficiency: N/A
Efficacy: 148.9 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

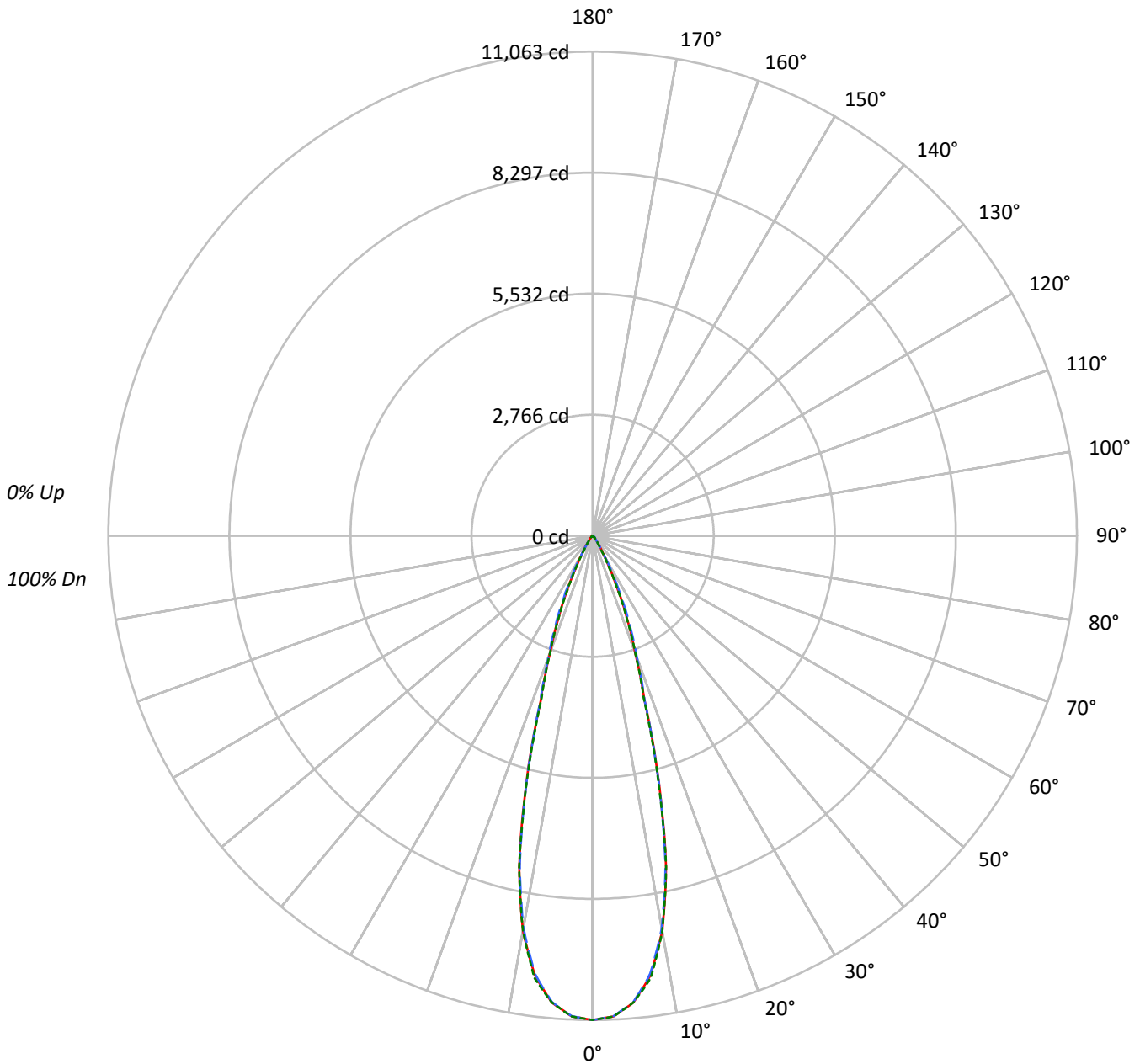


Downlight

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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°	846807	846807	846807
5°	822496	821536	822535
10°	712404	707383	712241
15°	464811	462315	459993
20°	231131	239798	230821
25°	116423	131287	114041
30°	46614	50795	40613
35°	21623	20707	17362
40°	9333	10362	8793
45°	6582	8173	6646
50°	2263	5954	2394
55°	1308	2469	1375
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: 8173 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	972.8	28.3
10°-20°	1566.8	45.5
20°-30°	677.0	19.7
30°-40°	154.3	4.5
40°-50°	53.0	1.5
50°-60°	12.9	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°	3216.6	93.5
0°-40°	3370.9	98.0
0°-60°	3436.9	99.9
0°-90°	3440.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3440.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11063	11063	11063	11063	11063	
5°	10705	10694	10692	10714	10705	974
15°	5866	5795	5834	5815	5805	1571
25°	1378	1431	1554	1394	1350	660
35°	231	236	222	220	186	157
45°	61	76	76	76	61	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°	11063.1	11063.1	11063.1	11063.1	11063.1
2.5°	10989.8	10982.2	10986.5	10991.9	10994.1
5°	10704.6	10694.3	10692.1	10714.4	10705.1
7.5°	10129.4	10114.7	10092.5	10143.0	10190.2
10°	9165.8	9149.5	9101.2	9125.1	9163.7
12.5°	7743.3	7690.6	7689.5	7765.6	7755.2
15°	5865.6	5795.0	5834.1	5815.1	5804.8
17.5°	3944.4	3917.3	3969.4	3953.7	3885.8
20°	2837.5	2844.5	2943.9	2894.0	2833.7
22.5°	2070.5	2096.1	2213.9	2085.2	2037.9
25°	1378.5	1430.7	1554.5	1394.3	1350.3
27.5°	847.9	871.8	997.2	837.0	813.1
30°	527.4	515.5	574.7	493.2	459.5
32.5°	346.0	330.8	349.8	313.9	286.8
35°	231.4	236.3	221.6	220.0	185.8
37.5°	144.5	166.2	146.7	156.4	119.5
40°	93.4	120.6	103.7	114.6	88.0
42.5°	76.6	92.9	85.3	90.7	78.2
45°	60.8	75.5	75.5	75.5	61.4
47.5°	33.7	50.5	64.6	51.6	35.8
50°	19.0	25.5	50.0	26.6	20.1
52.5°	13.0	14.7	34.2	15.2	13.6
55°	9.8	10.3	18.5	10.9	10.3
57.5°	7.6	8.1	9.8	8.1	7.6
60°	6.0	6.0	7.1	6.5	6.0
62.5°	4.3	4.3	4.9	4.3	4.3
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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(END OF REPORT)