

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: P789576

Luminaire Tested: LER6D15D010-EC6DR300215IC9027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789576
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: LER6D15D010-EC6DR300215IC9027-6LBS1H
Description: 6 INCH ROUND SHALLOW 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: 2426.6 lumens
Efficiency: N/A
Efficacy: 153.6 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): 15.8
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

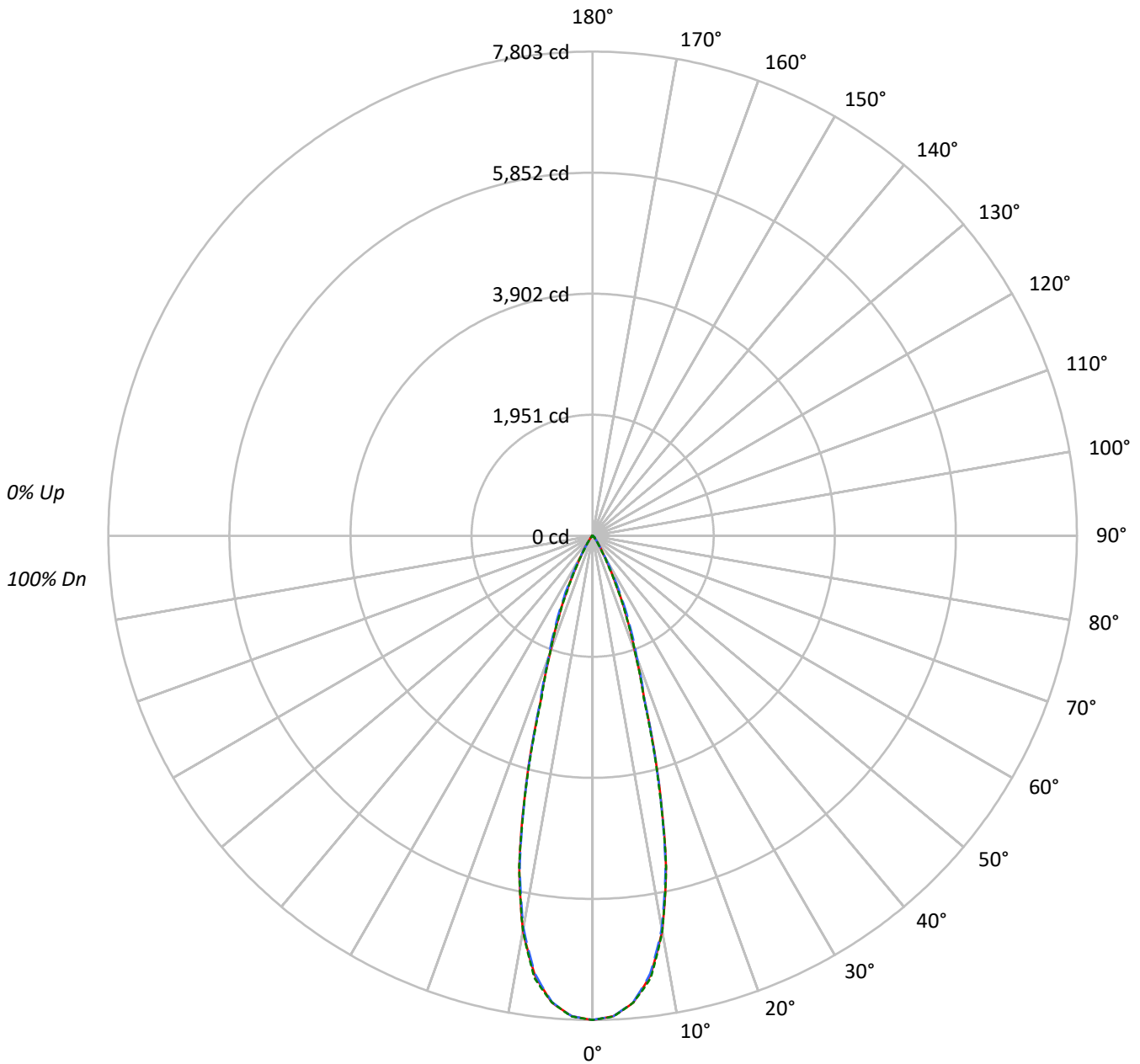


Downlight

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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°	597238	597238	597238
5°	580095	579419	580126
10°	502448	498912	502332
15°	327823	326063	324423
20°	163009	169127	162789
25°	82117	92598	80428
30°	32879	35822	28645
35°	15250	14605	12241
40°	6585	7314	6205
45°	4644	5759	4687
50°	1596	4192	1691
55°	921	1735	974
60°	643	765	643
65°	417	417	417
70°	246	179	246
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5759 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	686.1	28.3
10°-20°	1105.0	45.5
20°-30°	477.5	19.7
30°-40°	108.8	4.5
40°-50°	37.4	1.5
50°-60°	9.1	0.4
60°-70°	2.4	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°	2268.6	93.5
0°-40°	2377.5	98.0
0°-60°	2423.9	99.9
0°-90°	2426.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2426.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7803	7803	7803	7803	7803	
5°	7550	7542	7541	7557	7550	687
15°	4137	4087	4115	4101	4094	1108
25°	972	1009	1096	983	952	465
35°	163	167	156	155	131	111
45°	43	53	53	53	43	30
55°	7	7	13	8	7	7
65°	2	2	2	2	2	2
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°	7802.6	7802.6	7802.6	7802.6	7802.6
2.5°	7750.9	7745.6	7748.6	7752.5	7754.0
5°	7549.8	7542.5	7541.0	7556.7	7550.2
7.5°	7144.1	7133.8	7118.1	7153.7	7187.0
10°	6464.5	6453.0	6419.0	6435.8	6463.0
12.5°	5461.2	5424.1	5423.3	5476.9	5469.7
15°	4136.9	4087.1	4114.7	4101.3	4094.0
17.5°	2782.0	2762.8	2799.6	2788.5	2740.6
20°	2001.2	2006.2	2076.3	2041.1	1998.5
22.5°	1460.3	1478.3	1561.4	1470.7	1437.3
25°	972.3	1009.0	1096.4	983.4	952.3
27.5°	598.0	614.8	703.3	590.3	573.5
30°	372.0	363.5	405.3	347.8	324.1
32.5°	244.0	233.3	246.7	221.4	202.3
35°	163.2	166.6	156.3	155.1	131.0
37.5°	101.9	117.2	103.4	110.3	84.3
40°	65.9	85.0	73.2	80.8	62.1
42.5°	54.0	65.5	60.1	64.0	55.2
45°	42.9	53.2	53.2	53.2	43.3
47.5°	23.8	35.6	45.6	36.4	25.3
50°	13.4	18.0	35.2	18.8	14.2
52.5°	9.2	10.3	24.1	10.7	9.6
55°	6.9	7.3	13.0	7.7	7.3
57.5°	5.4	5.7	6.9	5.7	5.4
60°	4.2	4.2	5.0	4.6	4.2
62.5°	3.1	3.1	3.4	3.1	3.1
65°	2.3	2.3	2.3	2.3	2.3
67.5°	1.1	1.5	1.5	1.5	1.5
70°	1.1	0.8	0.8	0.8	1.1
72.5°	0.8	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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)