

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: P786385

Luminaire Tested: LERS6D10D010-EC6DR300210IC9050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786385
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: LERS6D10D010-EC6DR300210IC9050-6LBS1H
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: 1999.0 lumens
Efficiency: N/A
Efficacy: 170.9 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): 11.7
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

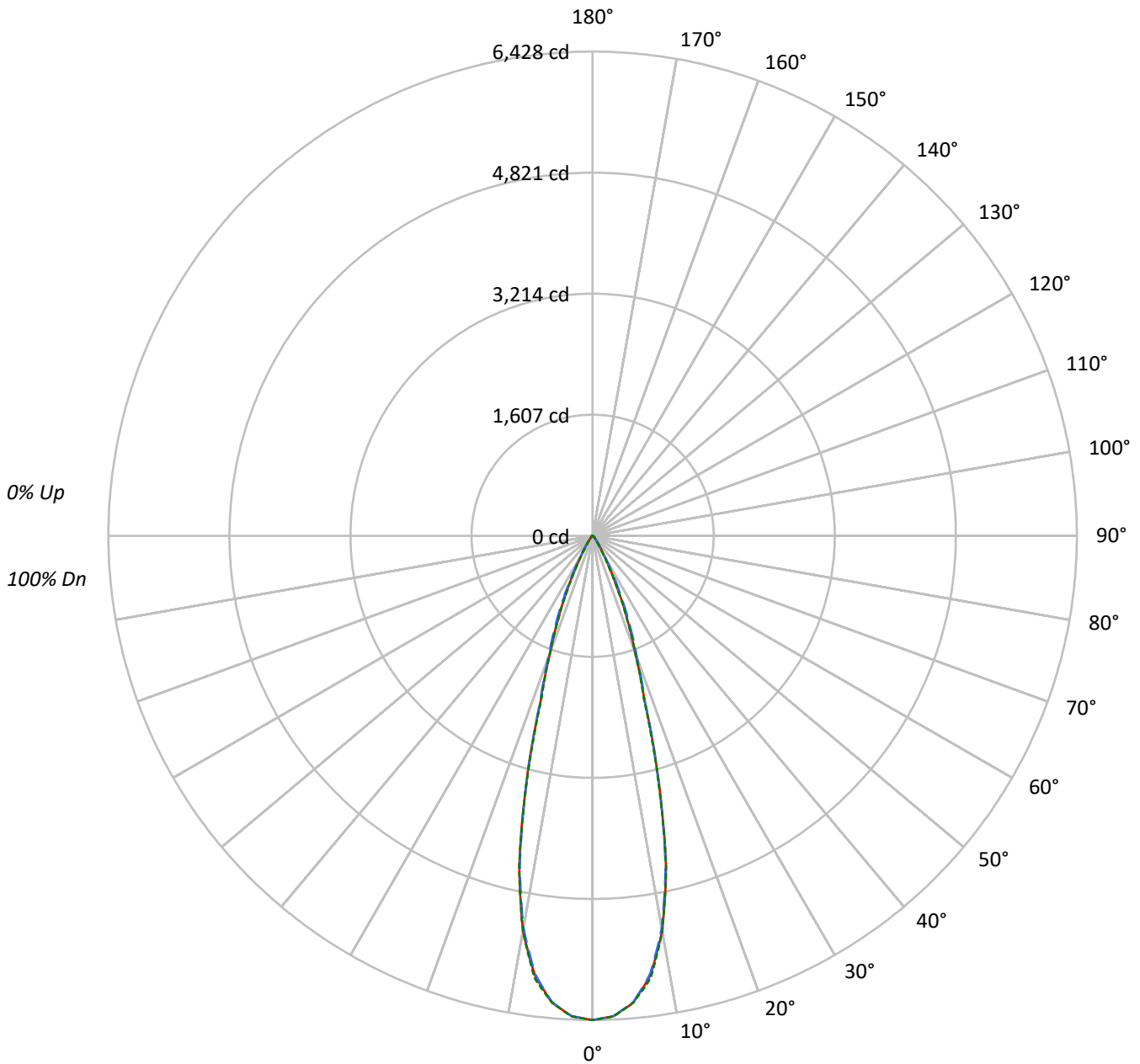


Downlight

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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°	492013	492013	492013
5°	477888	477335	477919
10°	413928	411006	413827
15°	270070	268620	267265
20°	134288	139330	134109
25°	67649	76281	66264
30°	27081	29512	23599
35°	12559	12035	10082
40°	5426	6025	5106
45°	3821	4752	3864
50°	1310	3453	1393
55°	761	1428	801
60°	536	628	536
65°	344	344	344
70°	201	134	201
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4752 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.2	28.3
10°-20°	910.3	45.5
20°-30°	393.4	19.7
30°-40°	89.7	4.5
40°-50°	30.8	1.5
50°-60°	7.5	0.4
60°-70°	1.9	0.1
70°-80°	0.2	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°	1868.9	93.5
0°-40°	1958.6	98.0
0°-60°	1996.9	99.9
0°-90°	1999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1999.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6428	6428	6428	6428	6428	
5°	6220	6214	6212	6225	6220	566
15°	3408	3367	3390	3379	3373	913
25°	801	831	903	810	785	383
35°	134	137	129	128	108	91
45°	35	44	44	44	36	25
55°	6	6	11	6	6	6
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°	6427.9	6427.9	6427.9	6427.9	6427.9
2.5°	6385.3	6380.9	6383.4	6386.6	6387.9
5°	6219.6	6213.7	6212.4	6225.3	6220.0
7.5°	5885.4	5876.9	5864.0	5893.3	5920.8
10°	5325.6	5316.1	5288.0	5301.9	5324.3
12.5°	4499.1	4468.4	4467.8	4512.0	4506.0
15°	3408.1	3367.0	3389.8	3378.7	3372.7
17.5°	2291.8	2276.0	2306.3	2297.2	2257.7
20°	1648.6	1652.7	1710.5	1681.5	1646.4
22.5°	1203.0	1217.9	1286.3	1211.6	1184.1
25°	801.0	831.3	903.2	810.1	784.6
27.5°	492.6	506.5	579.4	486.3	472.4
30°	306.4	299.5	333.9	286.6	267.0
32.5°	201.0	192.2	203.2	182.4	166.6
35°	134.4	137.3	128.8	127.8	107.9
37.5°	83.9	96.6	85.2	90.9	69.4
40°	54.3	70.1	60.3	66.6	51.1
42.5°	44.5	54.0	49.5	52.7	45.4
45°	35.3	43.9	43.9	43.9	35.7
47.5°	19.6	29.3	37.6	30.0	20.8
50°	11.0	14.8	29.0	15.5	11.7
52.5°	7.6	8.5	19.9	8.8	7.9
55°	5.7	6.0	10.7	6.3	6.0
57.5°	4.4	4.7	5.7	4.7	4.4
60°	3.5	3.5	4.1	3.8	3.5
62.5°	2.5	2.5	2.8	2.5	2.5
65°	1.9	1.9	1.9	1.9	1.9
67.5°	0.9	1.3	1.3	1.3	1.3
70°	0.9	0.6	0.6	0.6	0.9
72.5°	0.6	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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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