

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: P788984

Luminaire Tested: LER6D10D010-EC6DR300210IC9050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788984
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: LER6D10D010-EC6DR300210IC9050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 1899.1 lumens
Efficiency: N/A
Efficacy: 162.3 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

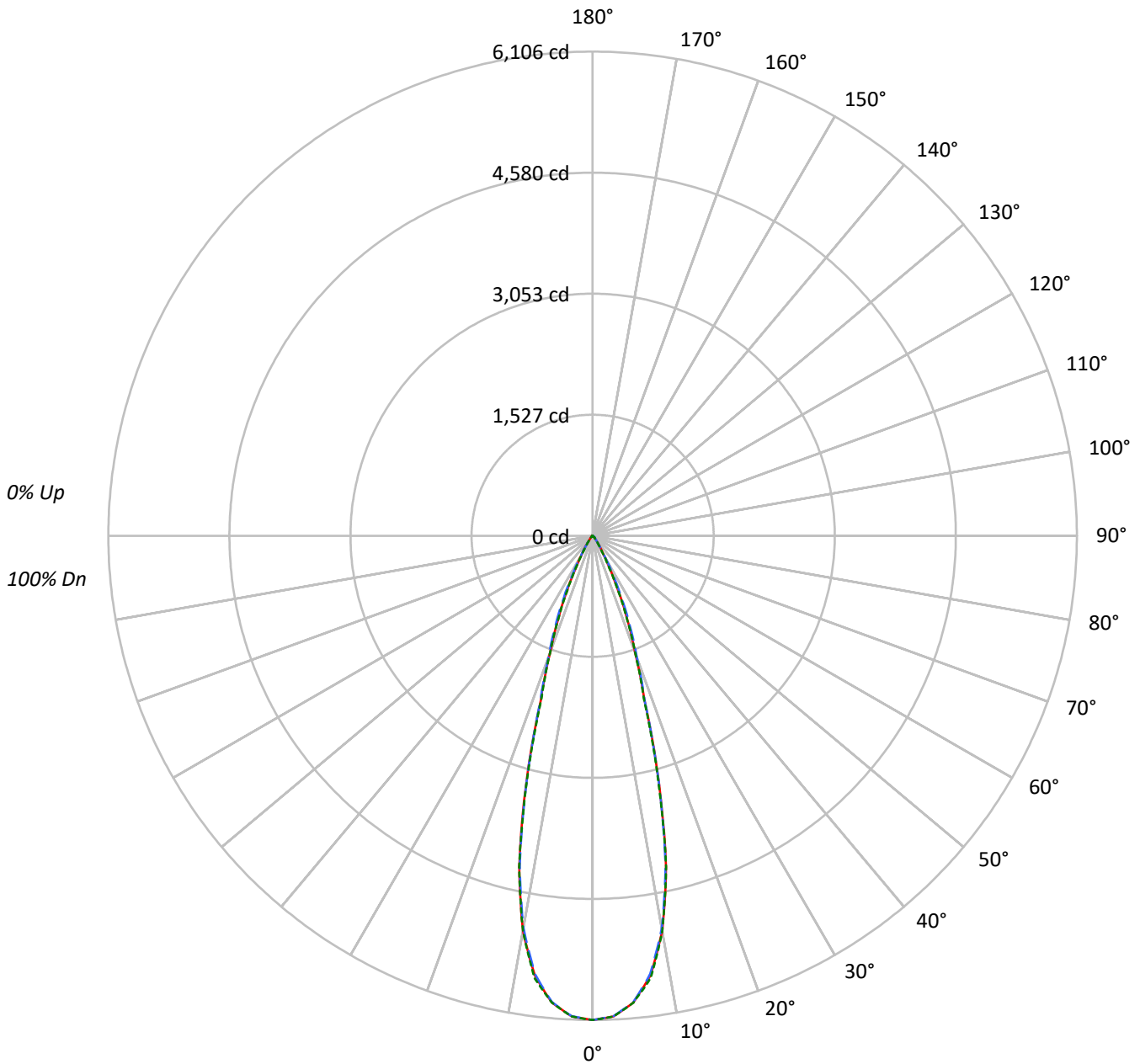


Downlight

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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°	467412	467412	467412
5°	454000	453469	454023
10°	393230	390455	393137
15°	256567	255188	253904
20°	127576	132366	127405
25°	64263	72472	62945
30°	25729	28036	22414
35°	11933	11428	9578
40°	5156	5725	4856
45°	3637	4514	3670
50°	1250	3287	1322
55°	721	1361	761
60°	505	597	505
65°	326	326	326
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: 4514 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.0	28.3
10°-20°	864.8	45.5
20°-30°	373.7	19.7
30°-40°	85.2	4.5
40°-50°	29.3	1.5
50°-60°	7.1	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°	1775.5	93.5
0°-40°	1860.7	98.0
0°-60°	1897.1	99.9
0°-90°	1899.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1899.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6106	6106	6106	6106	6106	
5°	5909	5903	5902	5914	5909	537
15°	3238	3199	3220	3210	3204	867
25°	761	790	858	770	745	364
35°	128	130	122	121	102	87
45°	34	42	42	42	34	24
55°	5	6	10	6	6	5
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°	6106.5	6106.5	6106.5	6106.5	6106.5
2.5°	6066.1	6061.9	6064.3	6067.3	6068.5
5°	5908.7	5903.0	5901.8	5914.1	5909.0
7.5°	5591.2	5583.1	5570.8	5598.7	5624.7
10°	5059.3	5050.3	5023.6	5036.8	5058.1
12.5°	4274.1	4245.0	4244.4	4286.4	4280.7
15°	3237.7	3198.7	3220.3	3209.8	3204.1
17.5°	2177.2	2162.2	2191.0	2182.3	2144.8
20°	1566.2	1570.1	1625.0	1597.4	1564.1
22.5°	1142.9	1157.0	1222.0	1151.0	1124.9
25°	760.9	789.7	858.1	769.6	745.3
27.5°	468.0	481.2	550.5	462.0	448.8
30°	291.1	284.5	317.2	272.2	253.6
32.5°	191.0	182.6	193.1	173.3	158.3
35°	127.7	130.4	122.3	121.4	102.5
37.5°	79.7	91.7	80.9	86.3	66.0
40°	51.6	66.6	57.3	63.3	48.6
42.5°	42.3	51.3	47.1	50.1	43.2
45°	33.6	41.7	41.7	41.7	33.9
47.5°	18.6	27.9	35.7	28.5	19.8
50°	10.5	14.1	27.6	14.7	11.1
52.5°	7.2	8.1	18.9	8.4	7.5
55°	5.4	5.7	10.2	6.0	5.7
57.5°	4.2	4.5	5.4	4.5	4.2
60°	3.3	3.3	3.9	3.6	3.3
62.5°	2.4	2.4	2.7	2.4	2.4
65°	1.8	1.8	1.8	1.8	1.8
67.5°	0.9	1.2	1.2	1.2	1.2
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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