

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: P788976

Luminaire Tested: LER6D10D010-EC6DR300210IC9040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788976
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-EC6DR300210IC9040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1921.8 lumens
Efficiency: N/A
Efficacy: 164.3 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

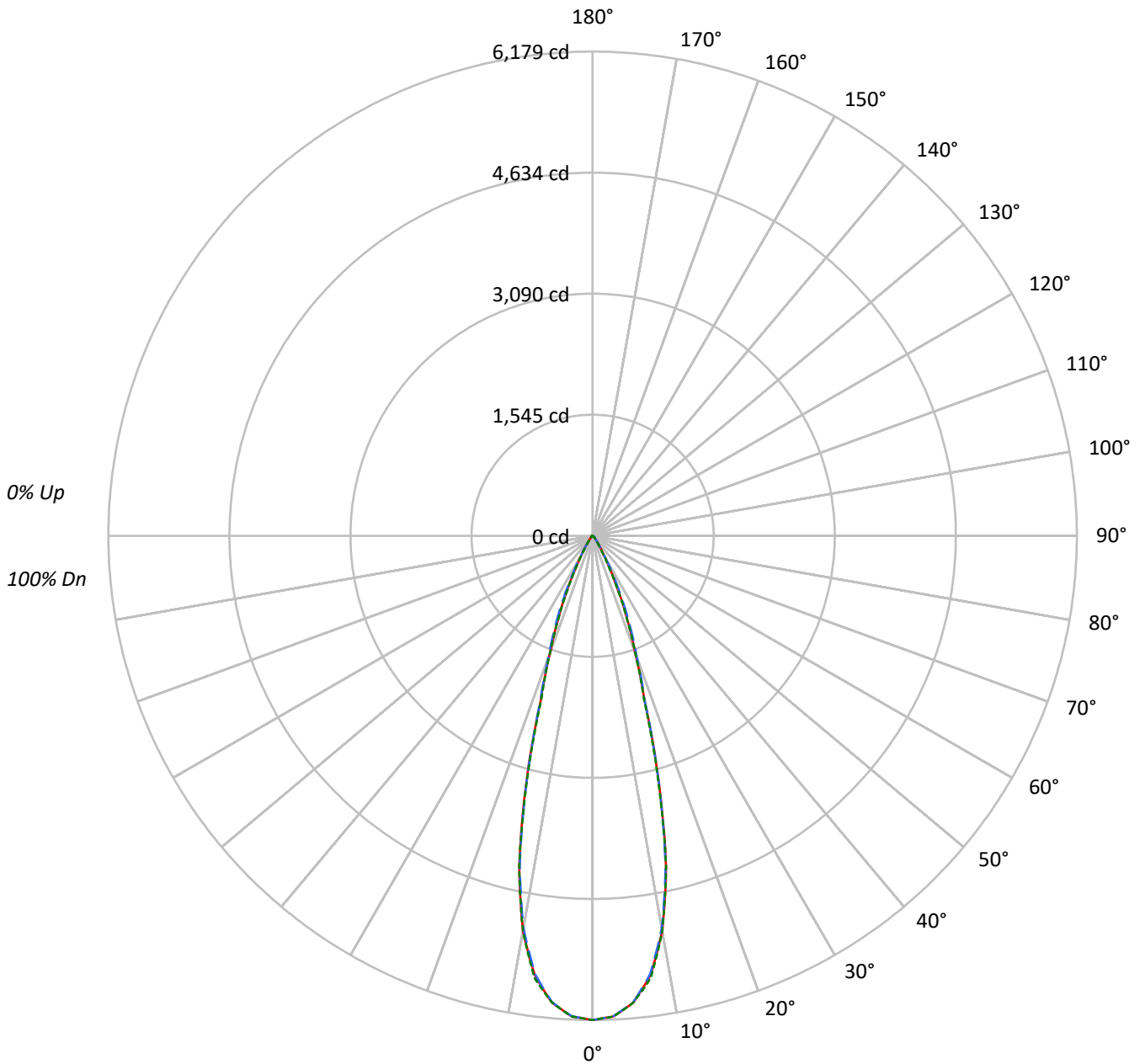


Downlight

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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°	472992	472992	472992
5°	459416	458879	459440
10°	397925	395119	397831
15°	259626	258231	256931
20°	129099	133946	128928
25°	65031	73333	63697
30°	26038	28371	22688
35°	12073	11568	9699
40°	5216	5785	4906
45°	3680	4568	3713
50°	1262	3322	1334
55°	734	1375	774
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: 4568 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.4	28.3
10°-20°	875.1	45.5
20°-30°	378.2	19.7
30°-40°	86.2	4.5
40°-50°	29.6	1.5
50°-60°	7.2	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°	1796.7	93.5
0°-40°	1882.9	98.0
0°-60°	1919.7	99.9
0°-90°	1921.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1921.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6179	6179	6179	6179	6179	
5°	5979	5973	5972	5985	5980	544
15°	3276	3237	3259	3248	3242	877
25°	770	799	868	779	754	369
35°	129	132	124	123	104	88
45°	34	42	42	42	34	24
55°	6	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°	6179.4	6179.4	6179.4	6179.4	6179.4
2.5°	6138.5	6134.2	6136.6	6139.7	6140.9
5°	5979.2	5973.4	5972.2	5984.6	5979.5
7.5°	5657.9	5649.7	5637.3	5665.5	5691.9
10°	5119.7	5110.6	5083.6	5096.9	5118.5
12.5°	4325.1	4295.7	4295.1	4337.5	4331.8
15°	3276.3	3236.8	3258.7	3248.1	3242.3
17.5°	2203.2	2188.0	2217.2	2208.4	2170.4
20°	1584.9	1588.8	1644.4	1616.5	1582.8
22.5°	1156.5	1170.8	1236.6	1164.7	1138.3
25°	770.0	799.1	868.3	778.8	754.2
27.5°	473.6	486.9	557.0	467.5	454.2
30°	294.6	287.9	321.0	275.5	256.7
32.5°	193.3	184.8	195.4	175.4	160.2
35°	129.2	132.0	123.8	122.9	103.8
37.5°	80.7	92.8	81.9	87.4	66.7
40°	52.2	67.4	57.9	64.0	49.1
42.5°	42.8	51.9	47.6	50.7	43.7
45°	34.0	42.2	42.2	42.2	34.3
47.5°	18.8	28.2	36.1	28.8	20.0
50°	10.6	14.3	27.9	14.9	11.2
52.5°	7.3	8.2	19.1	8.5	7.6
55°	5.5	5.8	10.3	6.1	5.8
57.5°	4.2	4.6	5.5	4.6	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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