

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: P788944

Luminaire Tested: LER6D10D010-EC6DR300210IC9024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788944
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-EC6DR300210IC9024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1545.5 lumens
Efficiency: N/A
Efficacy: 132.1 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

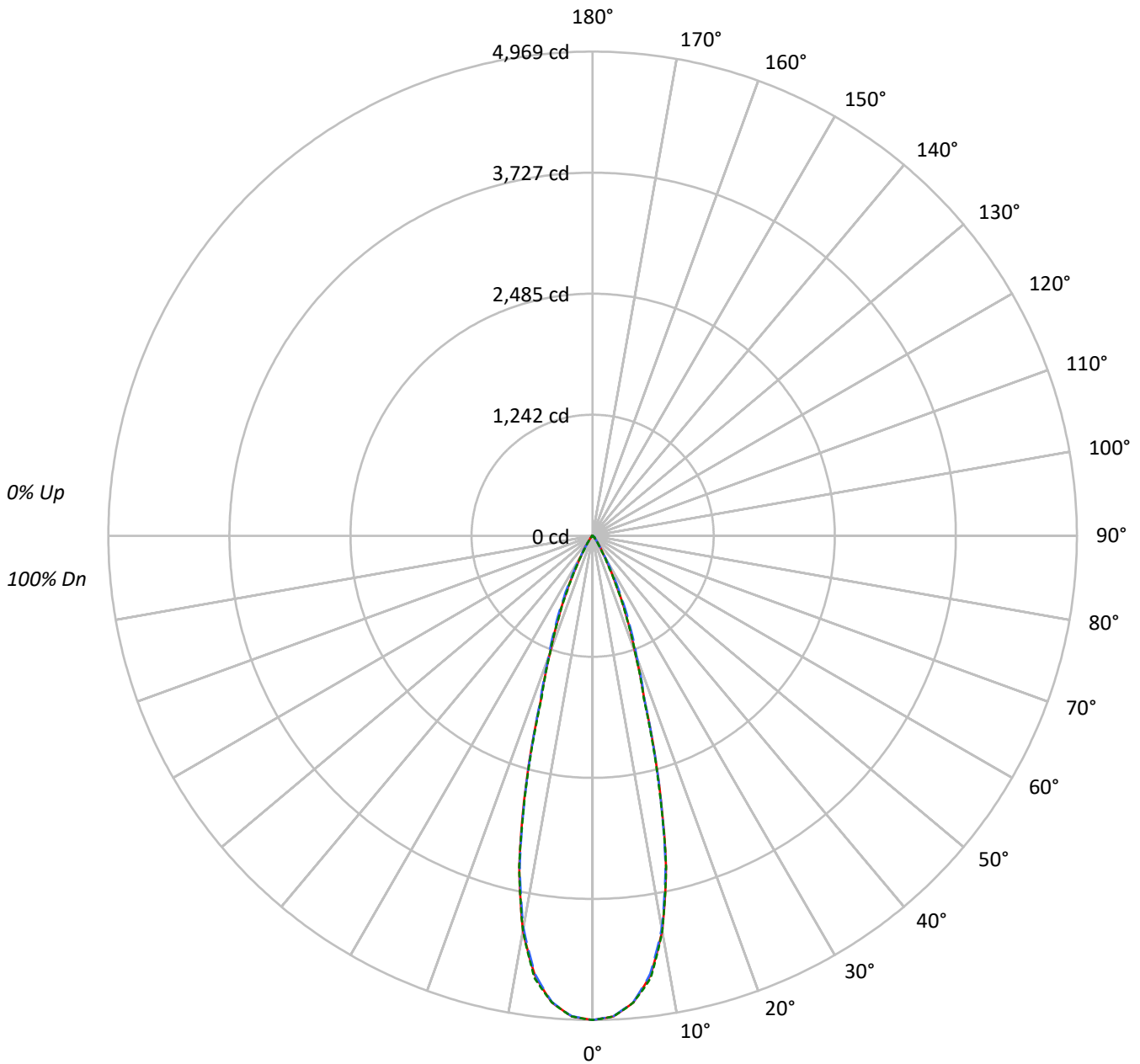


Downlight

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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°	380375	380375	380375
5°	369457	369027	369473
10°	320006	317744	319928
15°	208783	207666	206620
20°	103824	107717	103677
25°	52295	58976	51223
30°	20938	22812	18243
35°	9709	9298	7793
40°	4197	4656	3947
45°	2955	3670	2988
50°	1012	2667	1072
55°	587	1108	614
60°	413	490	413
65°	272	272	272
70°	157	112	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3670 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.0	28.3
10°-20°	703.8	45.5
20°-30°	304.1	19.7
30°-40°	69.3	4.5
40°-50°	23.8	1.5
50°-60°	5.8	0.4
60°-70°	1.5	0.1
70°-80°	0.1	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°	1444.9	93.5
0°-40°	1514.2	98.0
0°-60°	1543.8	99.9
0°-90°	1545.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1545.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4969	4969	4969	4969	4969	
5°	4808	4804	4803	4813	4809	437
15°	2635	2603	2621	2612	2607	705
25°	619	643	698	626	606	296
35°	104	106	100	99	83	70
45°	27	34	34	34	28	19
55°	4	5	8	5	5	4
65°	2	2	2	2	2	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4969.4	4969.4	4969.4	4969.4	4969.4
2.5°	4936.5	4933.0	4935.0	4937.4	4938.4
5°	4808.4	4803.7	4802.8	4812.8	4808.6
7.5°	4550.0	4543.4	4533.4	4556.1	4577.3
10°	4117.2	4109.8	4088.1	4098.9	4116.2
12.5°	3478.2	3454.5	3454.0	3488.2	3483.6
15°	2634.7	2603.0	2620.6	2612.1	2607.4
17.5°	1771.8	1759.6	1783.0	1775.9	1745.4
20°	1274.6	1277.7	1322.4	1299.9	1272.8
22.5°	930.1	941.5	994.5	936.6	915.4
25°	619.2	642.6	698.3	626.3	606.5
27.5°	380.9	391.6	447.9	376.0	365.2
30°	236.9	231.5	258.1	221.5	206.4
32.5°	155.4	148.6	157.1	141.0	128.8
35°	103.9	106.1	99.5	98.8	83.4
37.5°	64.9	74.7	65.9	70.3	53.7
40°	42.0	54.2	46.6	51.5	39.5
42.5°	34.4	41.7	38.3	40.7	35.1
45°	27.3	33.9	33.9	33.9	27.6
47.5°	15.1	22.7	29.0	23.2	16.1
50°	8.5	11.5	22.4	12.0	9.0
52.5°	5.9	6.6	15.4	6.8	6.1
55°	4.4	4.6	8.3	4.9	4.6
57.5°	3.4	3.7	4.4	3.7	3.4
60°	2.7	2.7	3.2	2.9	2.7
62.5°	2.0	2.0	2.2	2.0	2.0
65°	1.5	1.5	1.5	1.5	1.5
67.5°	0.7	1.0	1.0	1.0	1.0
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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