

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: P788948

Luminaire Tested: LER6D10D010-EC6DR300210IC9024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788948
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-EC6DR300210IC9024-6LBS1H
Description: 6 INCH ROUND SHALLOW 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: 1626.8 lumens
Efficiency: N/A
Efficacy: 139.0 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

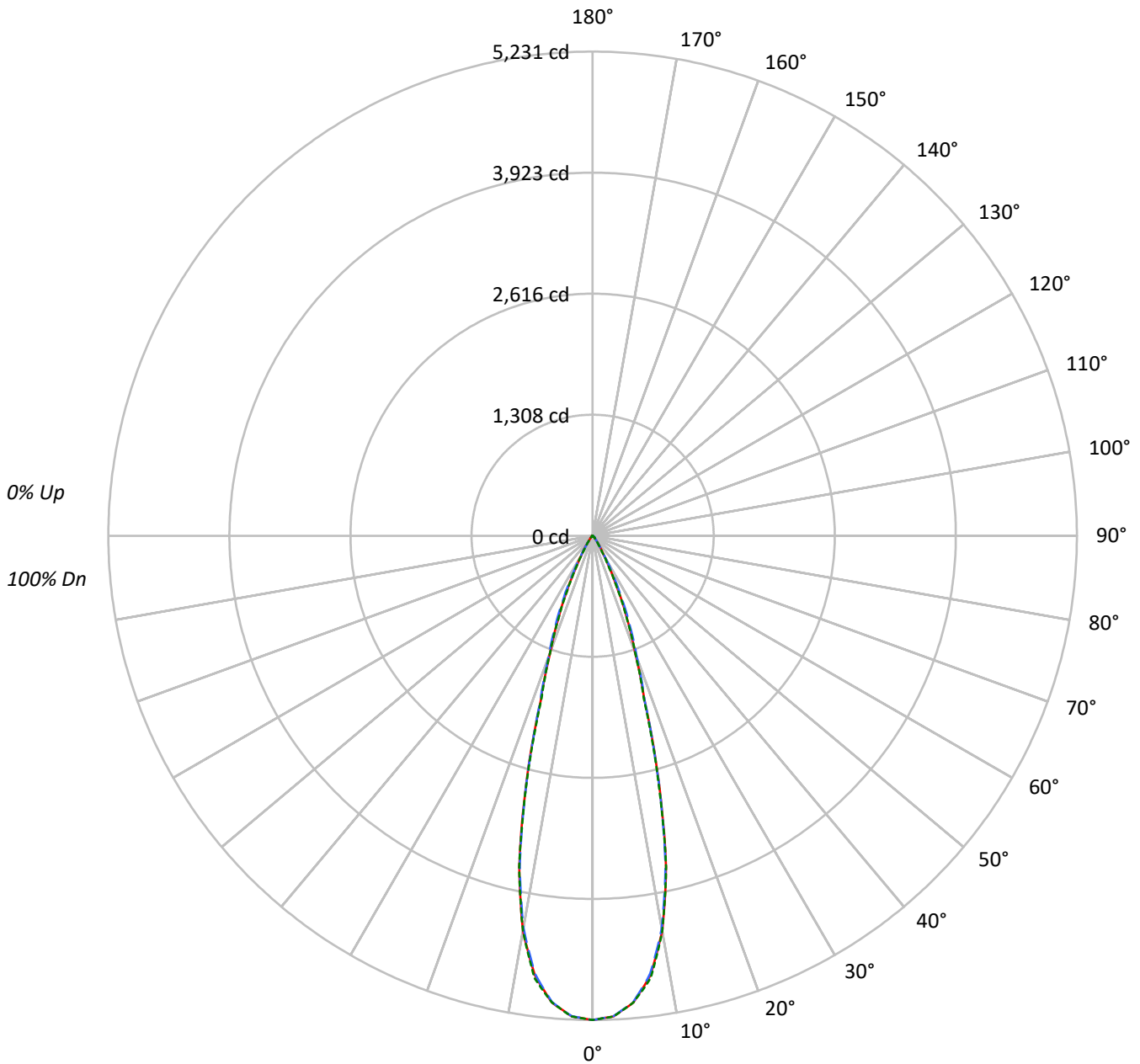


Downlight

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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	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°	400391	400391	400391
5°	388897	388443	388920
10°	336849	334471	336763
15°	219774	218593	217492
20°	109281	113386	109134
25°	55049	62075	53925
30°	22043	24014	19206
35°	10223	9793	8204
40°	4416	4906	4157
45°	3118	3864	3139
50°	1072	2810	1131
55°	614	1161	654
60°	429	505	429
65°	272	272	272
70°	179	112	179
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3864 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.0	28.3
10°-20°	740.8	45.5
20°-30°	320.1	19.7
30°-40°	73.0	4.5
40°-50°	25.1	1.5
50°-60°	6.1	0.4
60°-70°	1.6	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°	1520.9	93.5
0°-40°	1593.9	98.0
0°-60°	1625.0	99.9
0°-90°	1626.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1626.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5231	5231	5231	5231	5231	
5°	5061	5057	5056	5066	5062	460
15°	2773	2740	2758	2750	2745	743
25°	652	676	735	659	638	312
35°	109	112	105	104	88	74
45°	29	36	36	36	29	20
55°	5	5	9	5	5	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5230.9	5230.9	5230.9	5230.9	5230.9
2.5°	5196.3	5192.7	5194.7	5197.3	5198.3
5°	5061.4	5056.6	5055.5	5066.1	5061.7
7.5°	4789.5	4782.5	4772.0	4795.9	4818.2
10°	4333.9	4326.2	4303.3	4314.6	4332.8
12.5°	3661.2	3636.3	3635.8	3671.8	3666.9
15°	2773.4	2740.0	2758.5	2749.5	2744.6
17.5°	1865.0	1852.2	1876.9	1869.4	1837.3
20°	1341.6	1345.0	1392.0	1368.3	1339.8
22.5°	979.0	991.1	1046.8	985.9	963.6
25°	651.8	676.5	735.0	659.3	638.5
27.5°	400.9	412.2	471.5	395.8	384.5
30°	249.4	243.7	271.7	233.2	217.3
32.5°	163.6	156.4	165.4	148.4	135.6
35°	109.4	111.7	104.8	104.0	87.8
37.5°	68.3	78.6	69.3	74.0	56.5
40°	44.2	57.0	49.1	54.2	41.6
42.5°	36.2	43.9	40.3	42.9	37.0
45°	28.8	35.7	35.7	35.7	29.0
47.5°	15.9	23.9	30.6	24.4	17.0
50°	9.0	12.1	23.6	12.6	9.5
52.5°	6.2	6.9	16.2	7.2	6.4
55°	4.6	4.9	8.7	5.1	4.9
57.5°	3.6	3.9	4.6	3.9	3.6
60°	2.8	2.8	3.3	3.1	2.8
62.5°	2.1	2.1	2.3	2.1	2.1
65°	1.5	1.5	1.5	1.5	1.5
67.5°	0.8	1.0	1.0	1.0	1.0
70°	0.8	0.5	0.5	0.5	0.8
72.5°	0.5	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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