

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: P788962

Luminaire Tested: LER6D10D010-EC6DR300210IC9030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788962
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-EC6DR300210IC9030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1580.2 lumens
Efficiency: N/A
Efficacy: 135.1 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

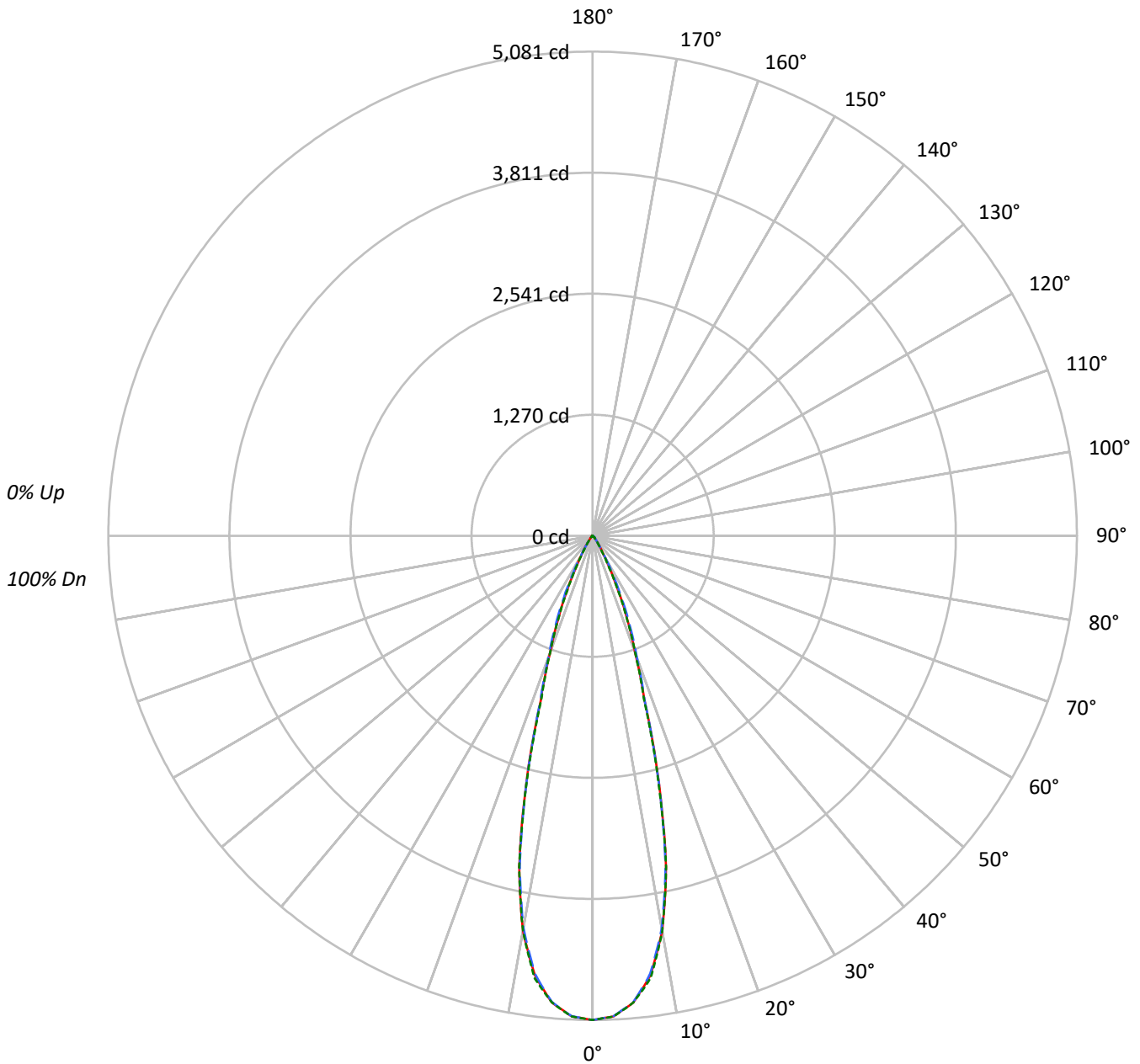


Downlight

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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	87	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°	388932	388932	388932
5°	377763	377325	377786
10°	327203	324895	327126
15°	213482	212333	211271
20°	106153	110136	106015
25°	53478	60302	52380
30°	21407	23325	18658
35°	9933	9512	7971
40°	4287	4756	4037
45°	3020	3756	3053
50°	1036	2739	1096
55°	601	1134	627
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: 3756 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.8	28.3
10°-20°	719.6	45.5
20°-30°	311.0	19.7
30°-40°	70.9	4.5
40°-50°	24.3	1.5
50°-60°	5.9	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°	1477.4	93.5
0°-40°	1548.2	98.0
0°-60°	1578.5	99.9
0°-90°	1580.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1580.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5081	5081	5081	5081	5081	
5°	4916	4912	4911	4921	4917	447
15°	2694	2662	2680	2671	2666	721
25°	633	657	714	640	620	303
35°	106	108	102	101	85	72
45°	28	35	35	35	28	20
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°	5081.2	5081.2	5081.2	5081.2	5081.2
2.5°	5047.5	5044.0	5046.0	5048.5	5049.5
5°	4916.5	4911.8	4910.8	4921.0	4916.8
7.5°	4652.3	4645.6	4635.4	4658.6	4680.3
10°	4209.8	4202.3	4180.1	4191.1	4208.8
12.5°	3556.4	3532.2	3531.7	3566.6	3561.9
15°	2694.0	2661.6	2679.5	2670.8	2666.1
17.5°	1811.6	1799.2	1823.1	1815.9	1784.7
20°	1303.2	1306.5	1352.1	1329.2	1301.5
22.5°	951.0	962.7	1016.8	957.7	936.0
25°	633.2	657.1	714.0	640.4	620.2
27.5°	389.4	400.4	458.0	384.4	373.5
30°	242.2	236.7	263.9	226.5	211.1
32.5°	158.9	151.9	160.7	144.2	131.7
35°	106.3	108.5	101.8	101.0	85.3
37.5°	66.4	76.3	67.4	71.8	54.9
40°	42.9	55.4	47.6	52.6	40.4
42.5°	35.2	42.7	39.2	41.7	35.9
45°	27.9	34.7	34.7	34.7	28.2
47.5°	15.5	23.2	29.7	23.7	16.5
50°	8.7	11.7	23.0	12.2	9.2
52.5°	6.0	6.7	15.7	7.0	6.2
55°	4.5	4.7	8.5	5.0	4.7
57.5°	3.5	3.7	4.5	3.7	3.5
60°	2.7	2.7	3.2	3.0	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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