

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: P788970

Luminaire Tested: LER6D10D010-EC6DR300210IC9035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788970
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-EC6DR300210IC9035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1668.2 lumens
Efficiency: N/A
Efficacy: 142.6 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

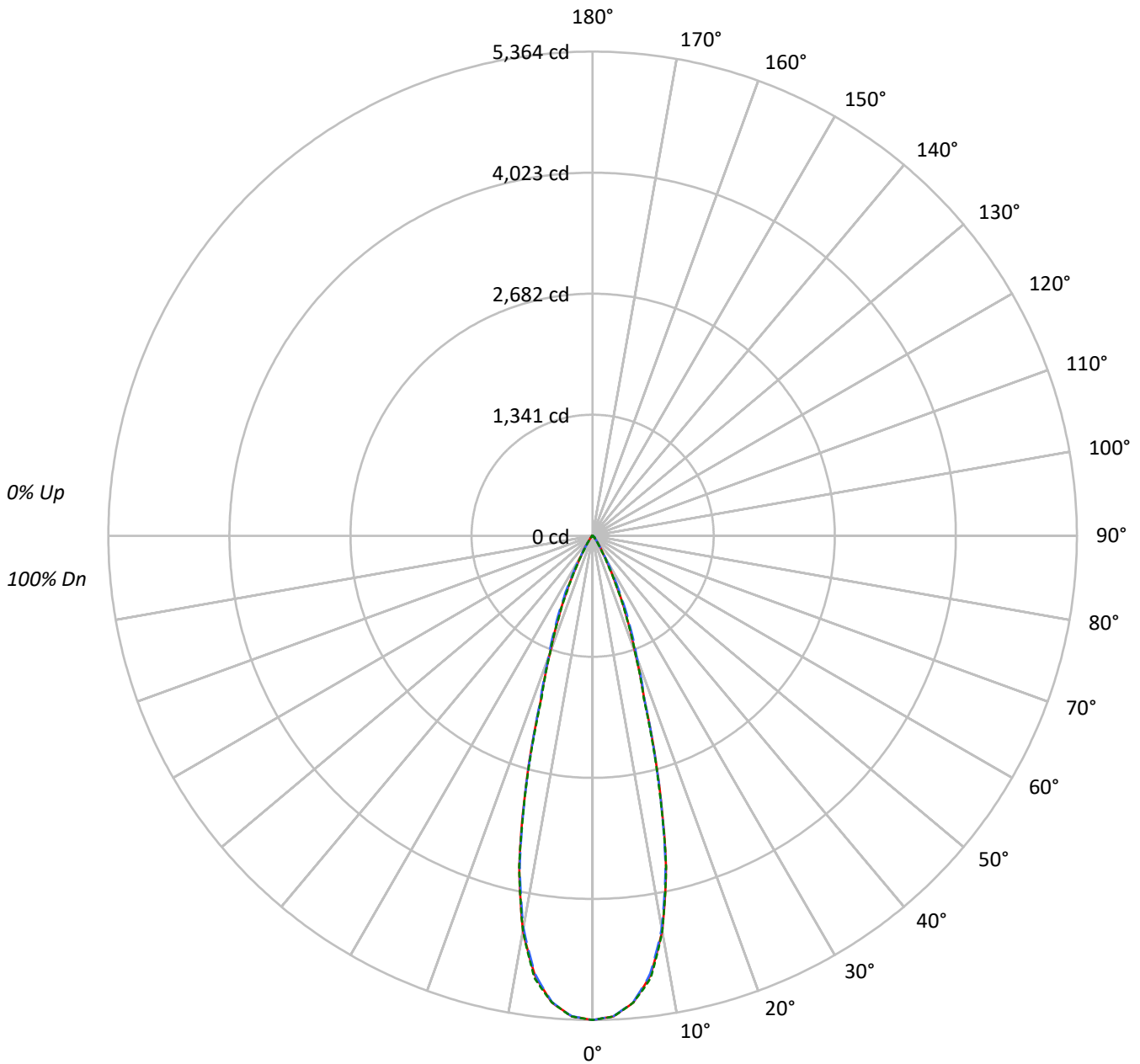


Downlight

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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°	410586	410586	410586
5°	398793	398332	398816
10°	345422	342981	345336
15°	225369	224156	223031
20°	112067	116270	111912
25°	56451	63655	55294
30°	22600	24624	19692
35°	10484	10036	8419
40°	4526	5026	4267
45°	3193	3962	3226
50°	1096	2882	1155
55°	627	1201	667
60°	444	520	444
65°	290	290	290
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: 3962 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.7	28.3
10°-20°	759.7	45.5
20°-30°	328.3	19.7
30°-40°	74.8	4.5
40°-50°	25.7	1.5
50°-60°	6.3	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°	1559.6	93.5
0°-40°	1634.4	98.0
0°-60°	1666.4	99.9
0°-90°	1668.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1668.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5364	5364	5364	5364	5364	
5°	5190	5185	5184	5195	5190	472
15°	2844	2810	2829	2820	2814	762
25°	668	694	754	676	655	320
35°	112	115	107	107	90	76
45°	30	37	37	37	30	21
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°	5364.1	5364.1	5364.1	5364.1	5364.1
2.5°	5328.5	5324.8	5326.9	5329.6	5330.6
5°	5190.2	5185.2	5184.2	5195.0	5190.5
7.5°	4911.4	4904.2	4893.4	4917.9	4940.8
10°	4444.2	4436.3	4412.8	4424.4	4443.1
12.5°	3754.4	3728.9	3728.4	3765.2	3760.2
15°	2844.0	2809.8	2828.7	2819.5	2814.5
17.5°	1912.5	1899.3	1924.6	1917.0	1884.1
20°	1375.8	1379.2	1427.4	1403.2	1373.9
22.5°	1003.9	1016.3	1073.4	1011.0	988.1
25°	668.4	693.7	753.7	676.0	654.7
27.5°	411.1	422.7	483.5	405.8	394.2
30°	255.7	249.9	278.6	239.1	222.8
32.5°	167.8	160.4	169.6	152.2	139.1
35°	112.2	114.6	107.4	106.7	90.1
37.5°	70.1	80.6	71.1	75.8	57.9
40°	45.3	58.5	50.3	55.6	42.7
42.5°	37.1	45.0	41.3	44.0	37.9
45°	29.5	36.6	36.6	36.6	29.8
47.5°	16.3	24.5	31.3	25.0	17.4
50°	9.2	12.4	24.2	12.9	9.7
52.5°	6.3	7.1	16.6	7.4	6.6
55°	4.7	5.0	9.0	5.3	5.0
57.5°	3.7	4.0	4.7	4.0	3.7
60°	2.9	2.9	3.4	3.2	2.9
62.5°	2.1	2.1	2.4	2.1	2.1
65°	1.6	1.6	1.6	1.6	1.6
67.5°	0.8	1.1	1.1	1.1	1.1
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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