

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: P786383

Luminaire Tested: LERS6D10D010-EC6DR300210IC9040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786383
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: LERS6D10D010-EC6DR300210IC9040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1922.9 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

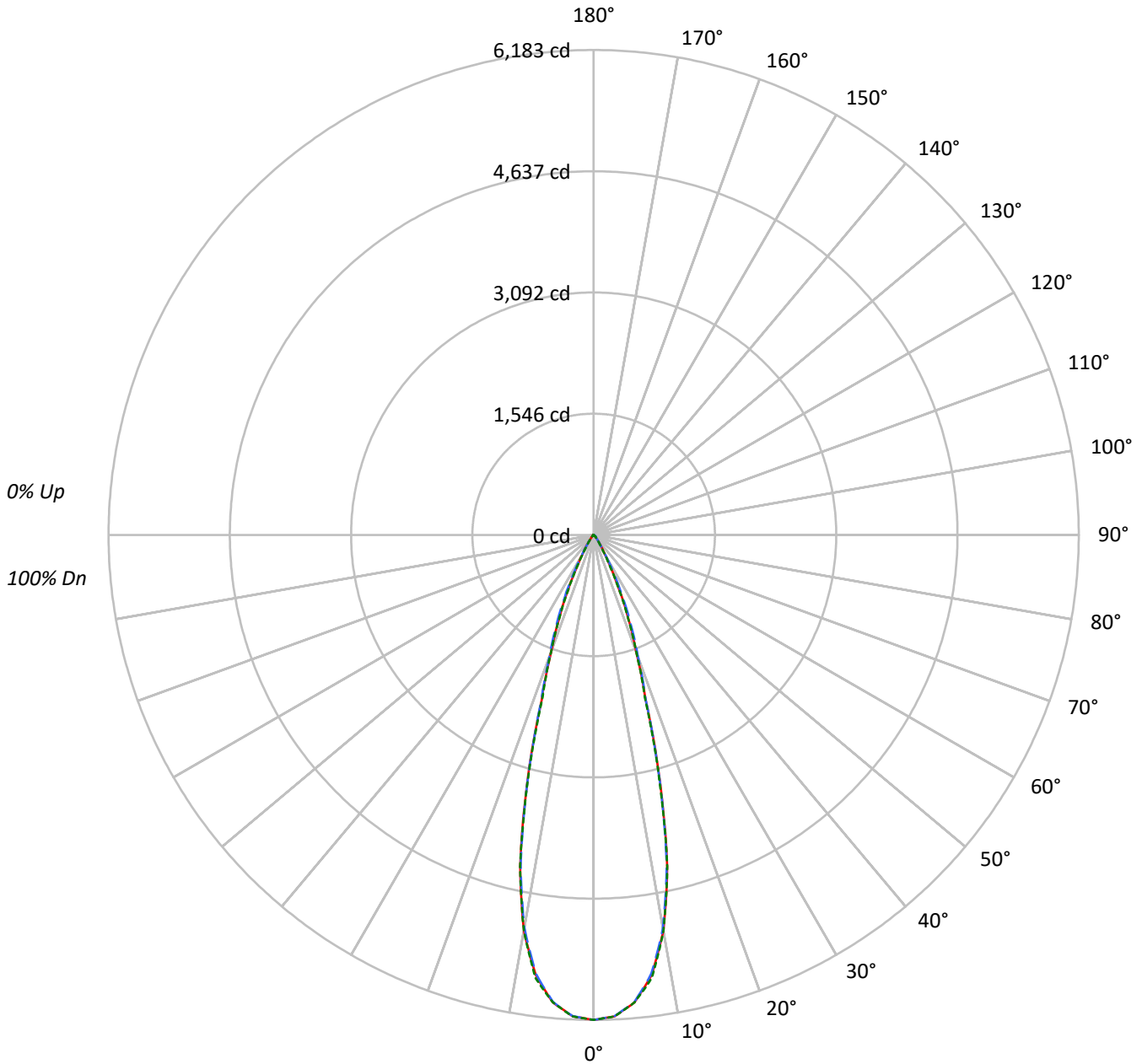


Downlight

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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	473268	473268	473268
5°	459678	459148	459701
10°	398150	395344	398057
15°	259776	258382	257082
20°	129173	134019	129002
25°	65065	73376	63739
30°	26056	28389	22697
35°	12082	11577	9699
40°	5216	5795	4916
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°	543.7	28.3
10°-20°	875.6	45.5
20°-30°	378.4	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°	1797.7	93.5
0°-40°	1884.0	98.0
0°-60°	1920.8	99.9
0°-90°	1922.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1922.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6183	6183	6183	6183	6183	
5°	5983	5977	5976	5988	5983	544
15°	3278	3239	3261	3250	3244	878
25°	770	800	869	779	755	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6183.0	6183.0	6183.0	6183.0	6183.0
2.5°	6142.0	6137.8	6140.2	6143.2	6144.4
5°	5982.6	5976.9	5975.7	5988.1	5982.9
7.5°	5661.2	5653.0	5640.5	5668.8	5695.2
10°	5122.6	5113.5	5086.5	5099.9	5121.4
12.5°	4327.6	4298.2	4297.6	4340.1	4334.3
15°	3278.2	3238.7	3260.6	3250.0	3244.2
17.5°	2204.5	2189.3	2218.4	2209.6	2171.7
20°	1585.8	1589.8	1645.3	1617.4	1583.7
22.5°	1157.2	1171.5	1237.3	1165.4	1139.0
25°	770.4	799.6	868.8	779.2	754.7
27.5°	473.9	487.2	557.3	467.8	454.4
30°	294.8	288.1	321.2	275.6	256.8
32.5°	193.4	184.9	195.5	175.5	160.3
35°	129.3	132.1	123.9	122.9	103.8
37.5°	80.7	92.9	82.0	87.4	66.8
40°	52.2	67.4	58.0	64.1	49.2
42.5°	42.8	51.9	47.7	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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