

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: P786371

Luminaire Tested: LERS6D10D010-EC6DR300210IC9027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786371
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-EC6DR300210IC9027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1716.6 lumens
Efficiency: N/A
Efficacy: 146.7 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

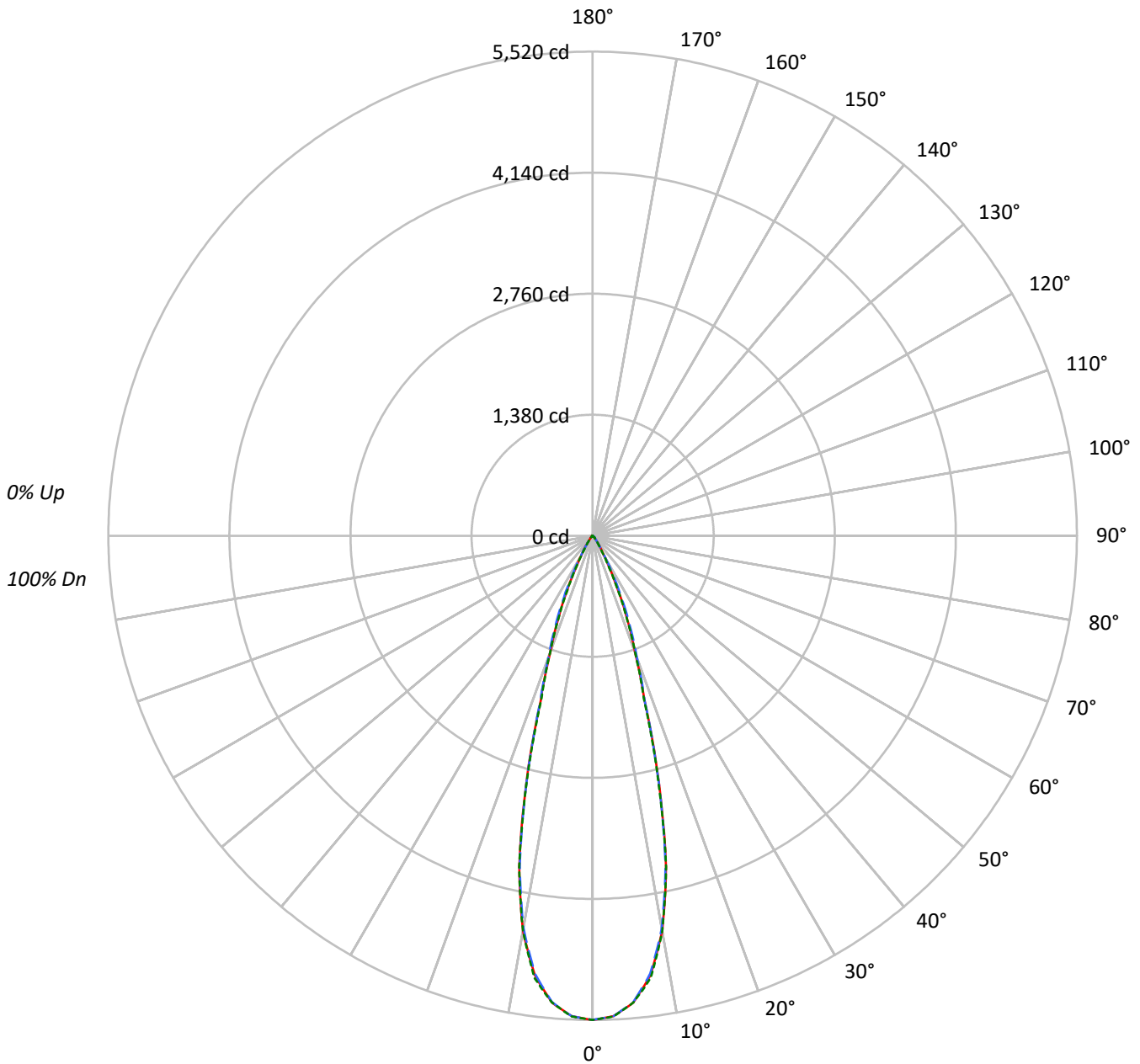


Downlight

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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°	422489	422489	422489
5°	410365	409880	410380
10°	355433	352930	355347
15°	231906	230662	229497
20°	115317	119642	115162
25°	58089	65504	56898
30°	23254	25340	20267
35°	10783	10335	8662
40°	4656	5176	4387
45°	3291	4081	3312
50°	1131	2965	1191
55°	654	1228	681
60°	459	536	459
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: 4081 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.4	28.3
10°-20°	781.7	45.5
20°-30°	337.8	19.7
30°-40°	77.0	4.5
40°-50°	26.4	1.5
50°-60°	6.5	0.4
60°-70°	1.7	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°	1604.8	93.5
0°-40°	1681.8	98.0
0°-60°	1714.7	99.9
0°-90°	1716.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1716.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5520	5520	5520	5520	5520	
5°	5341	5336	5334	5346	5341	486
15°	2926	2891	2911	2901	2896	784
25°	688	714	776	696	674	329
35°	115	118	111	110	93	78
45°	30	38	38	38	31	22
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°	5519.6	5519.6	5519.6	5519.6	5519.6
2.5°	5483.0	5479.2	5481.4	5484.1	5485.2
5°	5340.8	5335.6	5334.5	5345.6	5341.0
7.5°	5053.8	5046.5	5035.3	5060.6	5084.1
10°	4573.0	4564.9	4540.8	4552.7	4571.9
12.5°	3863.3	3837.0	3836.5	3874.4	3869.3
15°	2926.5	2891.2	2910.8	2901.3	2896.1
17.5°	1968.0	1954.4	1980.4	1972.6	1938.7
20°	1415.7	1419.2	1468.8	1443.9	1413.8
22.5°	1033.0	1045.8	1104.6	1040.3	1016.8
25°	687.8	713.8	775.6	695.6	673.7
27.5°	423.0	434.9	497.5	417.6	405.7
30°	263.1	257.2	286.7	246.1	229.3
32.5°	172.6	165.0	174.5	156.6	143.1
35°	115.4	117.9	110.6	109.8	92.7
37.5°	72.1	82.9	73.2	78.0	59.6
40°	46.6	60.2	51.8	57.2	43.9
42.5°	38.2	46.3	42.5	45.3	39.0
45°	30.4	37.7	37.7	37.7	30.6
47.5°	16.8	25.2	32.2	25.7	17.9
50°	9.5	12.7	24.9	13.3	10.0
52.5°	6.5	7.3	17.1	7.6	6.8
55°	4.9	5.1	9.2	5.4	5.1
57.5°	3.8	4.1	4.9	4.1	3.8
60°	3.0	3.0	3.5	3.3	3.0
62.5°	2.2	2.2	2.4	2.2	2.2
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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