

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: P786379

Luminaire Tested: LERS6D10D010-EC6DR300210IC9035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786379
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-EC6DR300210IC9035-6LBS1MW
Description: 6 INCH ROUND SHALLOW 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: 1871.2 lumens
Efficiency: N/A
Efficacy: 159.9 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

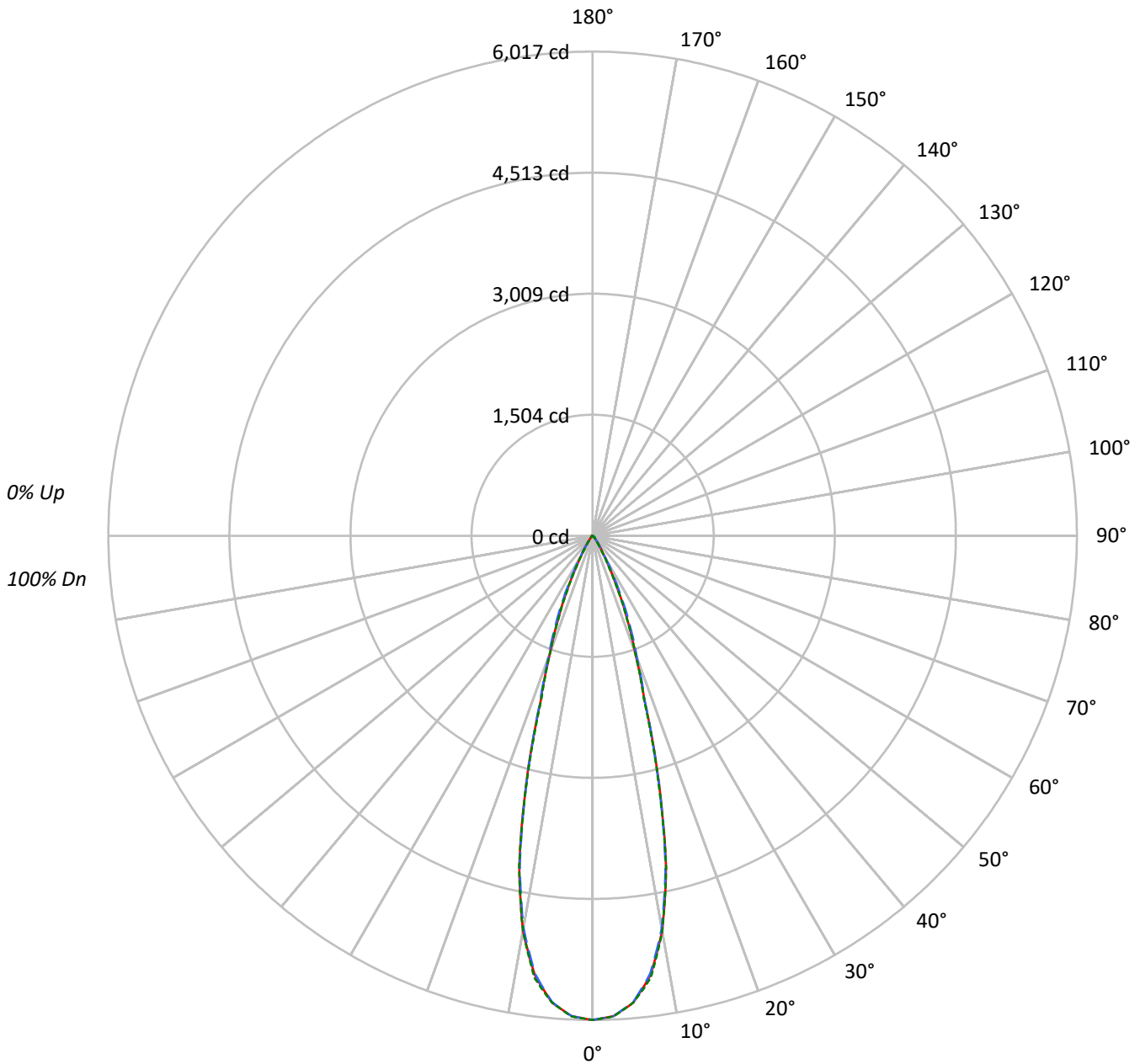


Downlight

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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°	460531	460531	460531
5°	447315	446792	447338
10°	387440	384711	387346
15°	252787	251432	250164
20°	125703	130411	125532
25°	63317	71399	62025
30°	25349	27620	22087
35°	11755	11260	9438
40°	5076	5636	4786
45°	3583	4449	3616
50°	1227	3239	1298
55°	707	1334	747
60°	490	582	490
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: 4449 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.1	28.3
10°-20°	852.1	45.5
20°-30°	368.2	19.7
30°-40°	83.9	4.5
40°-50°	28.8	1.5
50°-60°	7.0	0.4
60°-70°	1.8	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°	1749.4	93.5
0°-40°	1833.3	98.0
0°-60°	1869.1	99.9
0°-90°	1871.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1871.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6017	6017	6017	6017	6017	
5°	5822	5816	5815	5827	5822	530
15°	3190	3152	3173	3162	3157	854
25°	750	778	845	758	734	359
35°	126	128	120	120	101	85
45°	33	41	41	41	33	23
55°	5	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°	6016.6	6016.6	6016.6	6016.6	6016.6
2.5°	5976.8	5972.6	5975.0	5977.9	5979.1
5°	5821.7	5816.1	5814.9	5827.0	5822.0
7.5°	5508.9	5500.9	5488.8	5516.2	5541.9
10°	4984.8	4976.0	4949.7	4962.7	4983.6
12.5°	4211.2	4182.5	4181.9	4223.3	4217.7
15°	3190.0	3151.6	3172.9	3162.5	3156.9
17.5°	2145.2	2130.4	2158.8	2150.2	2113.3
20°	1543.2	1547.0	1601.0	1573.9	1541.1
22.5°	1126.1	1139.9	1204.0	1134.0	1108.3
25°	749.7	778.1	845.4	758.3	734.4
27.5°	461.1	474.1	542.3	455.2	442.2
30°	286.8	280.3	312.5	268.2	249.9
32.5°	188.2	179.9	190.2	170.7	156.0
35°	125.8	128.5	120.5	119.6	101.0
37.5°	78.6	90.4	79.8	85.1	65.0
40°	50.8	65.6	56.4	62.3	47.9
42.5°	41.7	50.5	46.4	49.3	42.5
45°	33.1	41.1	41.1	41.1	33.4
47.5°	18.3	27.5	35.2	28.1	19.5
50°	10.3	13.9	27.2	14.5	10.9
52.5°	7.1	8.0	18.6	8.3	7.4
55°	5.3	5.6	10.0	5.9	5.6
57.5°	4.1	4.4	5.3	4.4	4.1
60°	3.2	3.2	3.8	3.5	3.2
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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