

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: P790798

Luminaire Tested: LER6D25D010-EC6DR3020359050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790798
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: LER6D25D010-EC6DR3020359050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5184.2 lumens
Efficiency: N/A
Efficacy: 206.5 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): 25.1
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

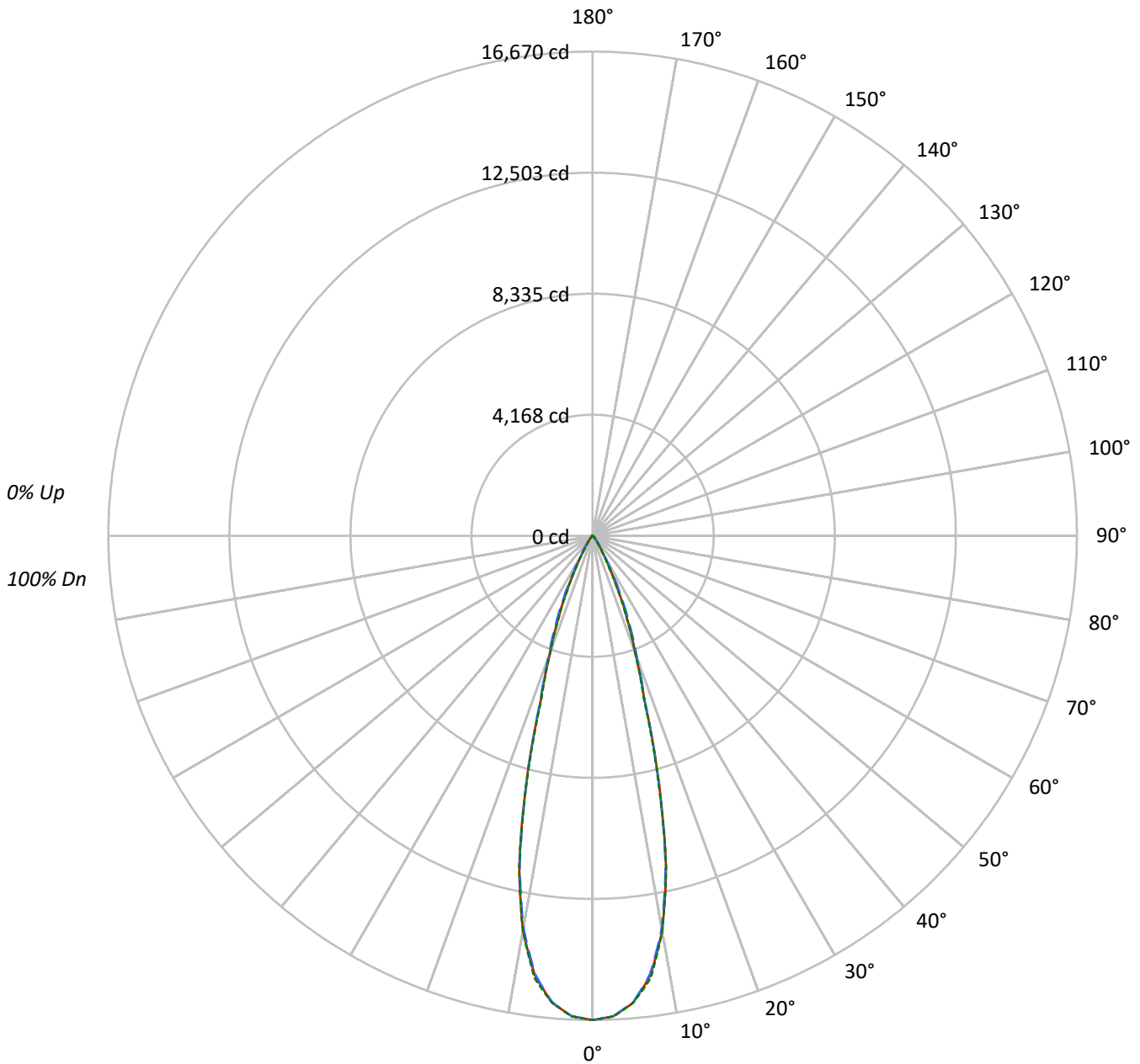


Downlight

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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°	1275948	1275948	1275948
5°	1239323	1237878	1239384
10°	1073441	1065871	1073185
15°	700370	696606	693104
20°	348256	361330	347792
25°	175433	197822	171835
30°	70239	76532	61198
35°	32574	31200	26154
40°	14069	15618	13249
45°	9926	12319	10013
50°	3406	8967	3608
55°	1962	3710	2082
60°	1378	1623	1378
65°	887	887	887
70°	559	358	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12319 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1465.8	28.3
10°-20°	2360.8	45.5
20°-30°	1020.1	19.7
30°-40°	232.5	4.5
40°-50°	79.8	1.5
50°-60°	19.5	0.4
60°-70°	5.0	0.1
70°-80°	0.5	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°	4846.7	93.5
0°-40°	5079.3	98.0
0°-60°	5178.6	99.9
0°-90°	5184.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5184.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16670	16670	16670	16670	16670	
5°	16130	16114	16111	16144	16130	1467
15°	8838	8732	8791	8762	8746	2367
25°	2077	2156	2342	2101	2035	994
35°	349	356	334	332	280	236
45°	92	114	114	114	92	65
55°	15	16	28	16	16	14
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16669.6	16669.6	16669.6	16669.6	16669.6
2.5°	16559.2	16547.7	16554.2	16562.4	16565.7
5°	16129.5	16113.9	16110.7	16144.2	16130.3
7.5°	15262.8	15240.7	15207.1	15283.2	15354.4
10°	13810.9	13786.3	13713.5	13749.5	13807.6
12.5°	11667.4	11588.1	11586.4	11701.0	11685.4
15°	8838.2	8731.8	8790.7	8762.0	8746.5
17.5°	5943.4	5902.5	5981.0	5957.3	5855.0
20°	4275.4	4286.1	4435.9	4360.6	4269.7
22.5°	3119.8	3158.3	3335.9	3141.9	3070.7
25°	2077.2	2155.7	2342.3	2100.9	2034.6
27.5°	1277.6	1313.6	1502.6	1261.2	1225.2
30°	794.7	776.7	865.9	743.1	692.4
32.5°	521.3	498.4	527.1	473.0	432.1
35°	348.6	356.0	333.9	331.5	279.9
37.5°	217.7	250.4	221.0	235.7	180.1
40°	140.8	181.7	156.3	172.7	132.6
42.5°	115.4	140.0	128.5	136.7	117.9
45°	91.7	113.8	113.8	113.8	92.5
47.5°	50.7	76.1	97.4	77.8	54.0
50°	28.6	38.5	75.3	40.1	30.3
52.5°	19.6	22.1	51.6	22.9	20.5
55°	14.7	15.6	27.8	16.4	15.6
57.5°	11.5	12.3	14.7	12.3	11.5
60°	9.0	9.0	10.6	9.8	9.0
62.5°	6.5	6.5	7.4	6.5	6.5
65°	4.9	4.9	4.9	4.9	4.9
67.5°	2.5	3.3	3.3	3.3	3.3
70°	2.5	1.6	1.6	1.6	2.5
72.5°	1.6	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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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