

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: P790653

Luminaire Tested: LER6D25D010-EC6DR1515309050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR1515309050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3393.3 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
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

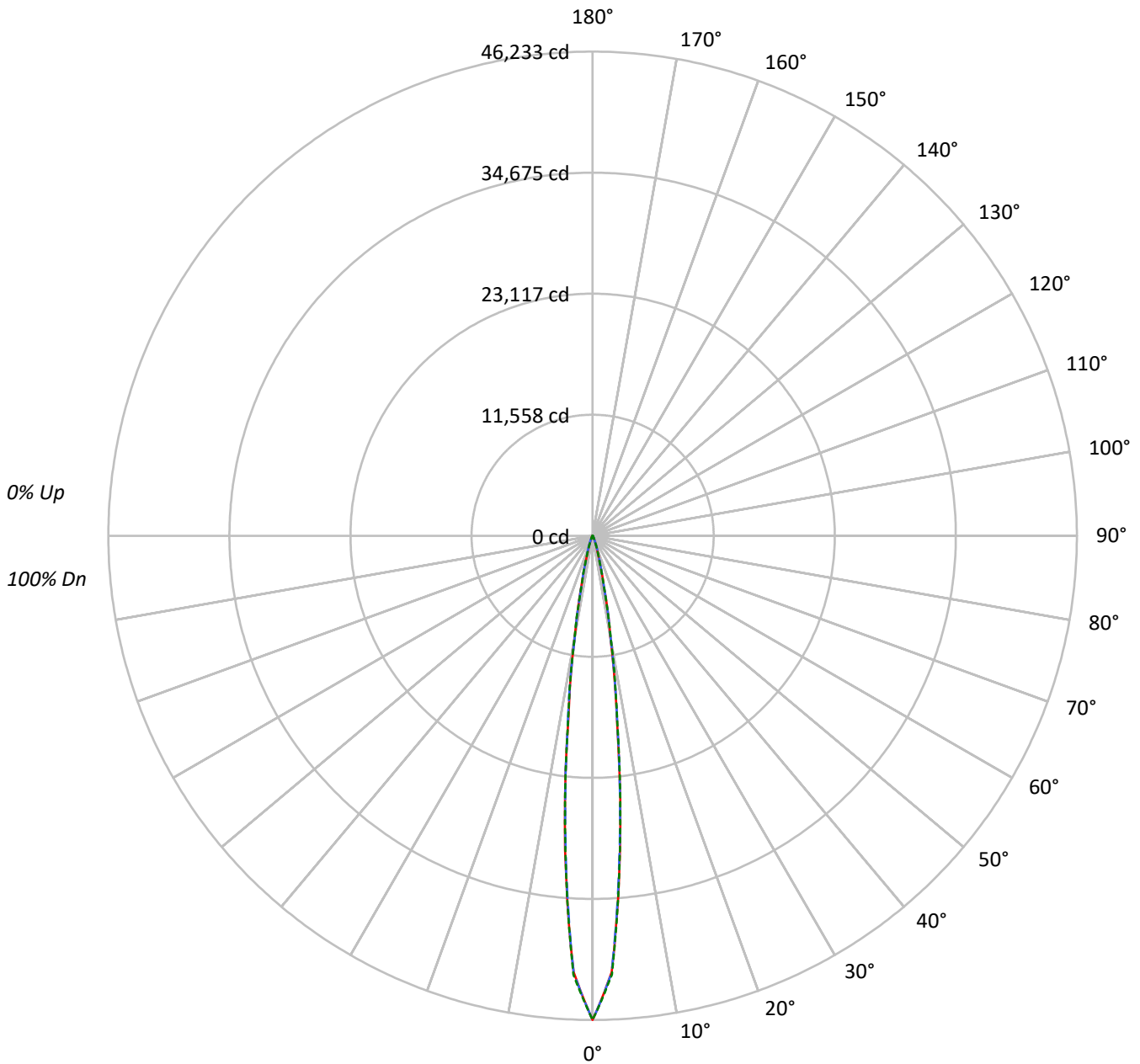


Downlight

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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5202169	5202169	5202169
5°	3057038	3017454	3041326
10°	912380	918772	932833
15°	226948	231369	224230
20°	67905	78632	69345
25°	23939	30490	24243
30°	8791	11577	8941
35°	4408	4974	4263
40°	2777	3061	2777
45°	2058	2191	2058
50°	1634	1634	1634
55°	1364	1364	1364
60°	1102	1102	1102
65°	835	835	835
70°	717	717	717
75°	446	446	590
80°	307	307	307
85°	166	166	166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2191 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2200.8	64.9
10°-20°	905.3	26.7
20°-30°	179.8	5.3
30°-40°	44.9	1.3
40°-50°	23.6	0.7
50°-60°	17.5	0.5
60°-70°	12.3	0.4
70°-80°	7.0	0.2
80°-90°	2.1	0.1
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°	3285.9	96.8
0°-40°	3330.7	98.2
0°-60°	3371.8	99.4
0°-90°	3393.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3393.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	46233	46233	46233	46233	46233	
5°	30080	29771	29691	29896	29926	2197
15°	2613	2662	2664	2617	2582	896
25°	307	348	391	346	311	161
35°	61	65	68	65	59	41
45°	29	29	31	29	29	23
55°	20	20	20	20	20	17
65°	12	12	12	12	12	12
75°	6	6	6	6	8	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	46233.3	46233.3	46233.3	46233.3	46233.3
2.5°	41704.3	41739.5	41753.2	41794.3	41947.0
5°	30080.4	29771.2	29690.9	29896.4	29925.8
7.5°	17818.5	17881.1	18110.1	18161.0	17977.0
10°	9778.2	9858.5	9846.7	9917.2	9997.4
12.5°	5000.7	4938.0	4918.5	4998.7	4887.2
15°	2612.9	2661.8	2663.8	2616.8	2581.6
17.5°	1405.3	1462.0	1556.0	1479.7	1362.2
20°	829.9	880.7	961.0	898.4	847.5
22.5°	512.8	553.9	610.7	561.7	520.6
25°	307.3	348.4	391.4	346.4	311.2
27.5°	182.0	217.3	244.7	215.3	180.1
30°	117.4	137.0	154.6	135.0	119.4
32.5°	82.2	90.0	97.9	90.0	82.2
35°	60.7	64.6	68.5	64.6	58.7
37.5°	47.0	50.9	52.8	48.9	45.0
40°	39.1	41.1	43.1	41.1	39.1
42.5°	33.3	35.2	35.2	35.2	33.3
45°	29.4	29.4	31.3	29.4	29.4
47.5°	25.4	25.4	27.4	25.4	25.4
50°	23.5	23.5	23.5	23.5	23.5
52.5°	21.5	21.5	21.5	21.5	21.5
55°	19.6	19.6	19.6	19.6	19.6
57.5°	17.6	17.6	17.6	17.6	17.6
60°	15.7	15.7	15.7	15.7	15.7
62.5°	13.7	13.7	13.7	13.7	13.7
65°	11.7	11.7	11.7	11.7	11.7
67.5°	11.7	11.7	11.7	11.7	11.7
70°	9.8	9.8	9.8	9.8	9.8
72.5°	7.8	7.8	7.8	7.8	7.8
75°	5.9	5.9	5.9	5.9	7.8
77.5°	5.9	5.9	5.9	5.9	5.9
80°	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9
85°	2.0	2.0	2.0	2.0	2.0
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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