

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: P790636

Luminaire Tested: LER6D25D010-EC6DR1515309035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790636
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-EC6DR1515309035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3182.3 lumens
Efficiency: N/A
Efficacy: 126.8 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

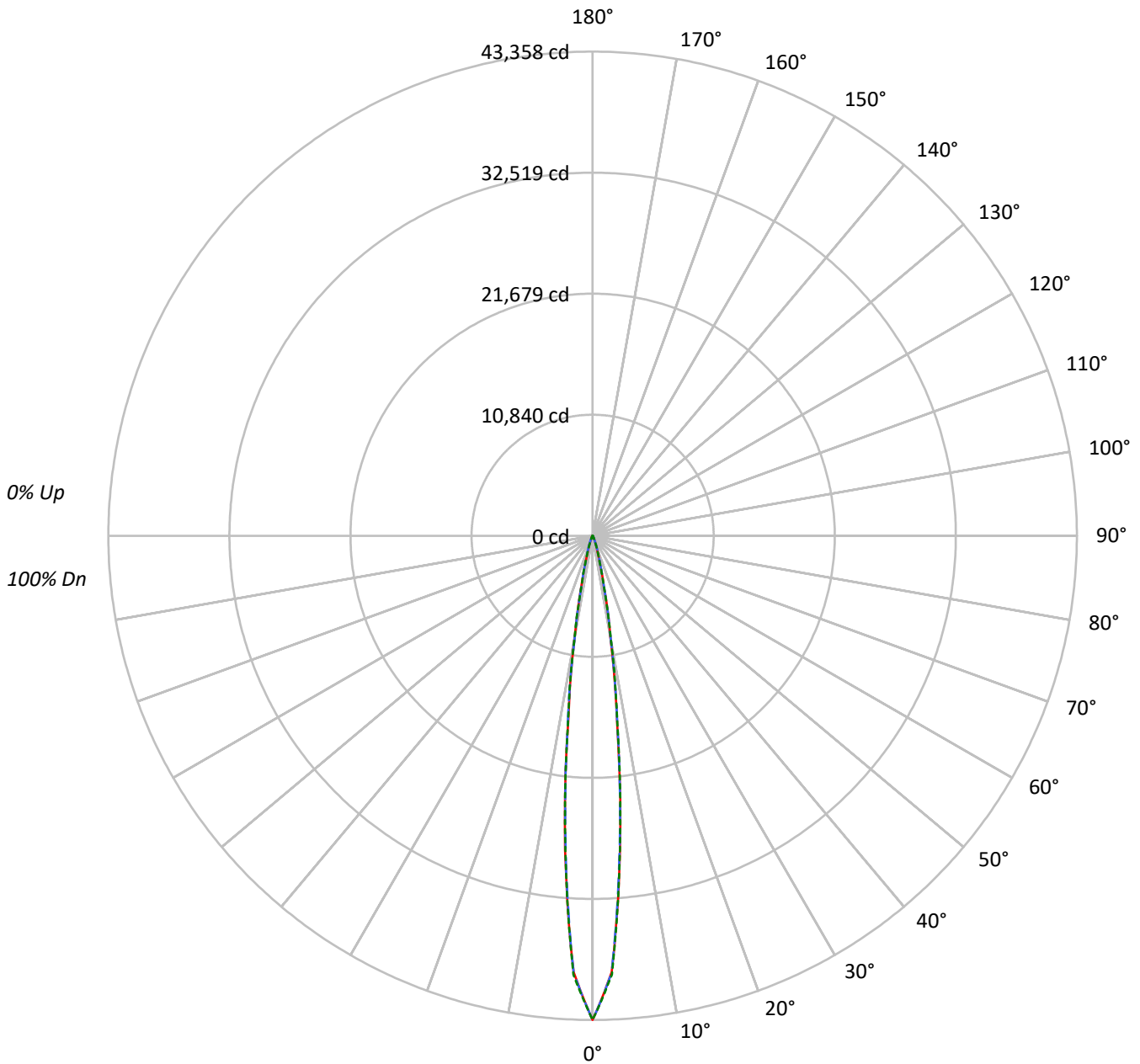


Downlight

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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°	4878674	4878674	4878674
5°	2866931	2829816	2852195
10°	855649	861640	874824
15°	212834	216977	210280
20°	63683	73739	65033
25°	22451	28597	22731
30°	8244	10858	8387
35°	4132	4662	4001
40°	2606	2869	2606
45°	1925	2058	1925
50°	1530	1530	1530
55°	1281	1281	1281
60°	1032	1032	1032
65°	785	785	785
70°	673	673	673
75°	416	416	552
80°	292	292	292
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2058 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2063.9	64.9
10°-20°	849.0	26.7
20°-30°	168.6	5.3
30°-40°	42.1	1.3
40°-50°	22.1	0.7
50°-60°	16.4	0.5
60°-70°	11.6	0.4
70°-80°	6.6	0.2
80°-90°	2.0	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°	3081.5	96.8
0°-40°	3123.6	98.2
0°-60°	3162.1	99.4
0°-90°	3182.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3182.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	43358	43358	43358	43358	43358	
5°	28210	27920	27845	28037	28065	2060
15°	2450	2496	2498	2454	2421	840
25°	288	327	367	325	292	151
35°	57	61	64	61	55	39
45°	28	28	29	28	28	22
55°	18	18	18	18	18	16
65°	11	11	11	11	11	12
75°	6	6	6	6	7	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°	43358.3	43358.3	43358.3	43358.3	43358.3
2.5°	39110.9	39143.9	39156.8	39195.3	39338.5
5°	28209.8	27919.8	27844.6	28037.3	28064.8
7.5°	16710.4	16769.2	16983.9	17031.6	16859.1
10°	9170.2	9245.4	9234.4	9300.5	9375.7
12.5°	4689.7	4631.0	4612.6	4687.9	4583.3
15°	2450.4	2496.3	2498.1	2454.1	2421.0
17.5°	1317.9	1371.1	1459.2	1387.6	1277.5
20°	778.3	826.0	901.2	842.5	794.8
22.5°	480.9	519.4	572.7	526.8	488.2
25°	288.2	326.7	367.1	324.9	291.8
27.5°	170.7	203.7	229.4	201.9	168.9
30°	110.1	128.5	145.0	126.6	112.0
32.5°	77.1	84.4	91.8	84.4	77.1
35°	56.9	60.6	64.2	60.6	55.1
37.5°	44.1	47.7	49.6	45.9	42.2
40°	36.7	38.5	40.4	38.5	36.7
42.5°	31.2	33.0	33.0	33.0	31.2
45°	27.5	27.5	29.4	27.5	27.5
47.5°	23.9	23.9	25.7	23.9	23.9
50°	22.0	22.0	22.0	22.0	22.0
52.5°	20.2	20.2	20.2	20.2	20.2
55°	18.4	18.4	18.4	18.4	18.4
57.5°	16.5	16.5	16.5	16.5	16.5
60°	14.7	14.7	14.7	14.7	14.7
62.5°	12.8	12.8	12.8	12.8	12.8
65°	11.0	11.0	11.0	11.0	11.0
67.5°	11.0	11.0	11.0	11.0	11.0
70°	9.2	9.2	9.2	9.2	9.2
72.5°	7.3	7.3	7.3	7.3	7.3
75°	5.5	5.5	5.5	5.5	5.5
77.5°	5.5	5.5	5.5	5.5	5.5
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.8	1.8	1.8	1.8	1.8
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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