

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: P790621

Luminaire Tested: LER6D25D010-EC6DR1515309027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790621
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-EC6DR1515309027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3065.4 lumens
Efficiency: N/A
Efficacy: 122.1 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

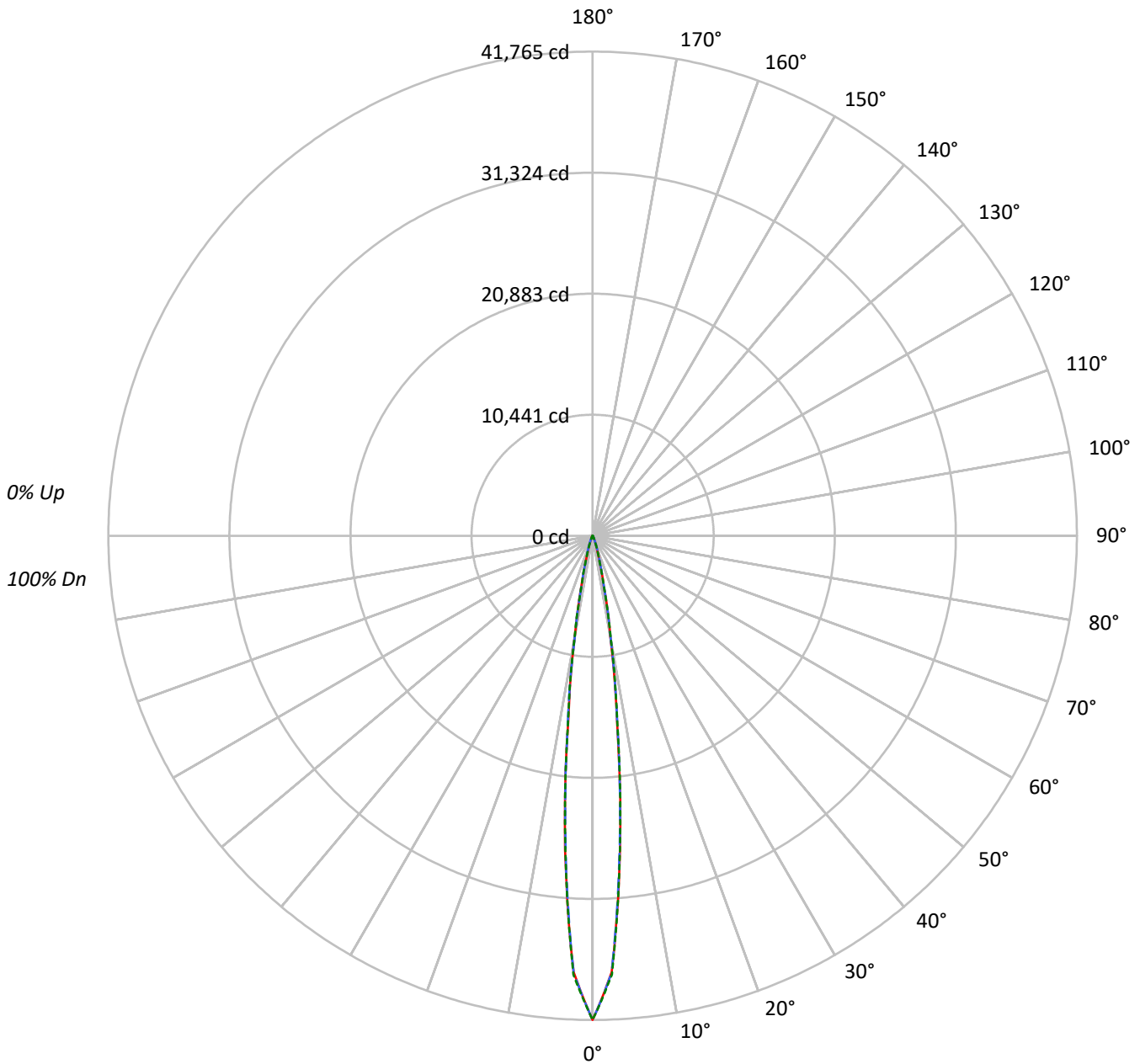


Downlight

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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°	4699429	4699429	4699429
5°	2761613	2725850	2747415
10°	824214	829990	842689
15°	205017	209004	202559
20°	61343	71030	62644
25°	21625	27546	21898
30°	7945	10461	8080
35°	3980	4495	3849
40°	2514	2762	2514
45°	1855	1981	1855
50°	1474	1474	1474
55°	1232	1232	1232
60°	990	990	990
65°	757	757	757
70°	644	644	644
75°	401	401	537
80°	276	276	276
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1981 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1988.1	64.9
10°-20°	817.8	26.7
20°-30°	162.4	5.3
30°-40°	40.5	1.3
40°-50°	21.3	0.7
50°-60°	15.8	0.5
60°-70°	11.1	0.4
70°-80°	6.3	0.2
80°-90°	1.9	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°	2968.3	96.8
0°-40°	3008.8	98.2
0°-60°	3045.9	99.4
0°-90°	3065.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3065.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	41765	41765	41765	41765	41765	
5°	27174	26894	26822	27007	27034	1984
15°	2360	2405	2406	2364	2332	809
25°	278	315	354	313	281	146
35°	55	58	62	58	53	37
45°	26	26	28	26	26	21
55°	18	18	18	18	18	16
65°	11	11	11	11	11	11
75°	5	5	5	5	7	6
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°	41765.3	41765.3	41765.3	41765.3	41765.3
2.5°	37674.0	37705.9	37718.2	37755.4	37893.3
5°	27173.5	26894.1	26821.6	27007.3	27033.8
7.5°	16096.5	16153.1	16359.9	16405.9	16239.7
10°	8833.3	8905.8	8895.2	8958.8	9031.3
12.5°	4517.4	4460.8	4443.2	4515.7	4414.9
15°	2360.4	2404.6	2406.3	2363.9	2332.1
17.5°	1269.5	1320.7	1405.6	1336.7	1230.6
20°	749.7	795.6	868.1	811.5	765.6
22.5°	463.2	500.4	551.6	507.4	470.3
25°	277.6	314.7	353.6	312.9	281.1
27.5°	164.4	196.3	221.0	194.5	162.7
30°	106.1	123.8	139.7	122.0	107.9
32.5°	74.3	81.3	88.4	81.3	74.3
35°	54.8	58.3	61.9	58.3	53.0
37.5°	42.4	46.0	47.7	44.2	40.7
40°	35.4	37.1	38.9	37.1	35.4
42.5°	30.1	31.8	31.8	31.8	30.1
45°	26.5	26.5	28.3	26.5	26.5
47.5°	23.0	23.0	24.8	23.0	23.0
50°	21.2	21.2	21.2	21.2	21.2
52.5°	19.4	19.4	19.4	19.4	19.4
55°	17.7	17.7	17.7	17.7	17.7
57.5°	15.9	15.9	15.9	15.9	15.9
60°	14.1	14.1	14.1	14.1	14.1
62.5°	12.4	12.4	12.4	12.4	12.4
65°	10.6	10.6	10.6	10.6	10.6
67.5°	10.6	10.6	10.6	10.6	10.6
70°	8.8	8.8	8.8	8.8	8.8
72.5°	7.1	7.1	7.1	7.1	7.1
75°	5.3	5.3	5.3	5.3	7.1
77.5°	5.3	5.3	5.3	5.3	5.3
80°	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5
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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