

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P790649

Luminaire Tested: LER6D25D010-EC6DR1515309050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790649
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-EC6DR1515309050-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 3223.7 lumens
Efficiency: N/A
Efficacy: 128.4 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

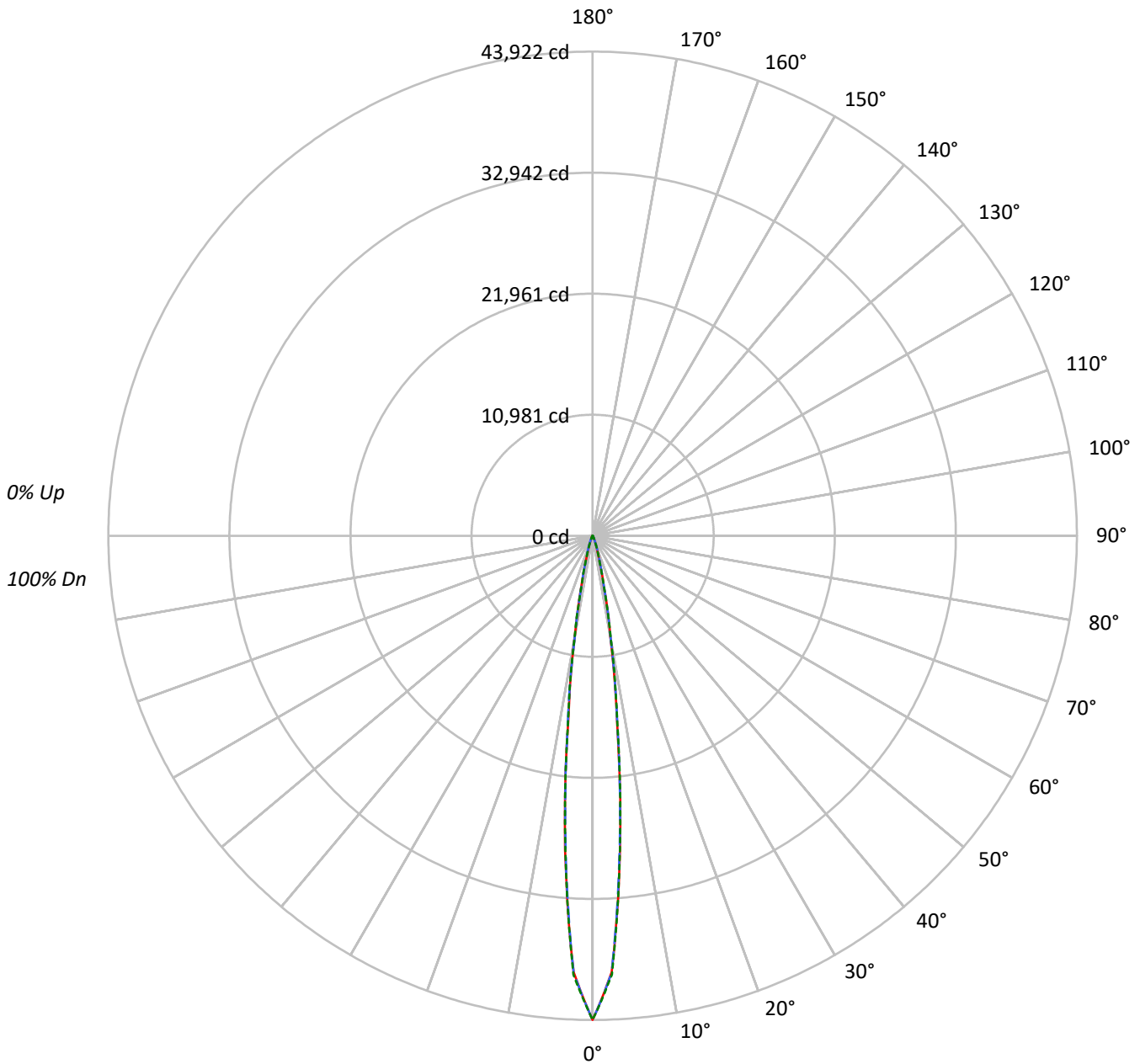


Downlight

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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°	4942056	4942056	4942056
5°	2904188	2866586	2889259
10°	866762	872837	886198
15°	215596	219800	213016
20°	64509	74696	65876
25°	22739	28971	23027
30°	8357	11000	8492
35°	4183	4728	4052
40°	2642	2904	2642
45°	1953	2079	1953
50°	1551	1551	1551
55°	1295	1295	1295
60°	1046	1046	1046
65°	799	799	799
70°	680	680	680
75°	423	423	559
80°	292	292	292
85°	158	158	158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2079 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2090.8	64.9
10°-20°	860.0	26.7
20°-30°	170.8	5.3
30°-40°	42.6	1.3
40°-50°	22.4	0.7
50°-60°	16.6	0.5
60°-70°	11.8	0.4
70°-80°	6.7	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°	3121.6	96.8
0°-40°	3164.2	98.2
0°-60°	3203.2	99.4
0°-90°	3223.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3223.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	43922	43922	43922	43922	43922	
5°	28576	28283	28206	28402	28430	2087
15°	2482	2529	2531	2486	2452	851
25°	292	331	372	329	296	153
35°	58	61	65	61	56	39
45°	28	28	30	28	28	22
55°	19	19	19	19	19	17
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°	43921.6	43921.6	43921.6	43921.6	43921.6
2.5°	39619.1	39652.5	39665.5	39704.6	39849.6
5°	28576.4	28282.6	28206.4	28401.6	28429.5
7.5°	16927.5	16987.0	17204.6	17252.9	17078.1
10°	9289.3	9365.6	9354.4	9421.3	9497.6
12.5°	4750.6	4691.1	4672.6	4748.8	4642.8
15°	2482.2	2528.7	2530.6	2486.0	2452.5
17.5°	1335.0	1388.9	1478.2	1405.7	1294.1
20°	788.4	836.7	912.9	853.4	805.1
22.5°	487.2	526.2	580.1	533.6	494.6
25°	291.9	331.0	371.9	329.1	295.6
27.5°	172.9	206.4	232.4	204.5	171.1
30°	111.6	130.2	146.9	128.3	113.4
32.5°	78.1	85.5	93.0	85.5	78.1
35°	57.6	61.4	65.1	61.4	55.8
37.5°	44.6	48.3	50.2	46.5	42.8
40°	37.2	39.0	40.9	39.0	37.2
42.5°	31.6	33.5	33.5	33.5	31.6
45°	27.9	27.9	29.7	27.9	27.9
47.5°	24.2	24.2	26.0	24.2	24.2
50°	22.3	22.3	22.3	22.3	22.3
52.5°	20.5	20.5	20.5	20.5	20.5
55°	18.6	18.6	18.6	18.6	18.6
57.5°	16.7	16.7	16.7	16.7	16.7
60°	14.9	14.9	14.9	14.9	14.9
62.5°	13.0	13.0	13.0	13.0	13.0
65°	11.2	11.2	11.2	11.2	11.2
67.5°	11.2	11.2	11.2	11.2	11.2
70°	9.3	9.3	9.3	9.3	9.3
72.5°	7.4	7.4	7.4	7.4	7.4
75°	5.6	5.6	5.6	5.6	7.4
77.5°	5.6	5.6	5.6	5.6	5.6
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.9	1.9	1.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)