

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: P790623

Luminaire Tested: LER6D25D010-EC6DR1515309030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790623
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-EC6DR1515309030-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2676.2 lumens
Efficiency: N/A
Efficacy: 106.6 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

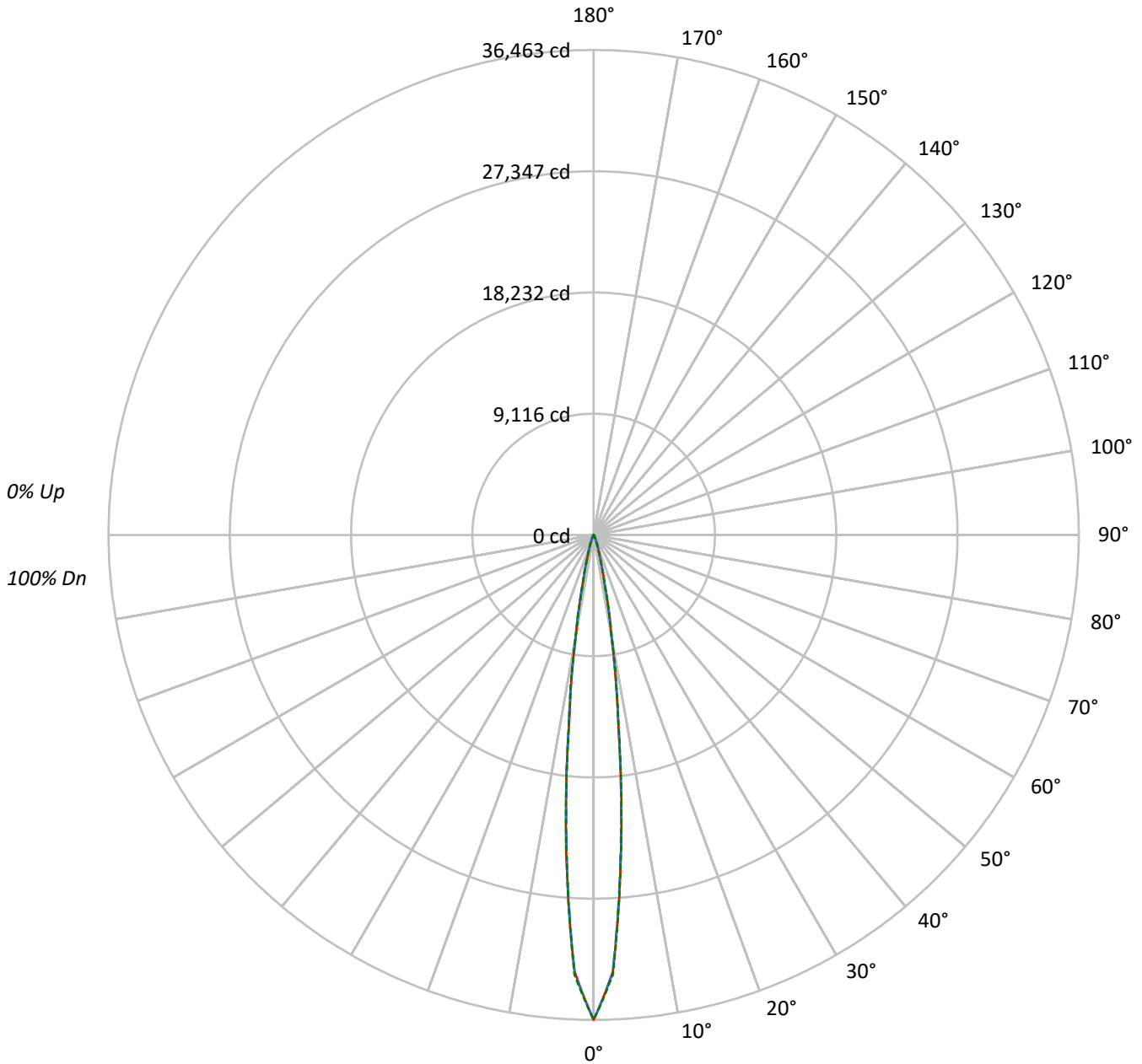


Downlight

TEST NUMBER: P790623

CATALOG NUMBER: LER6D25D010-EC6DR1515309030-6LBDP1B

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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4102804	4102804	4102804
5°	2411003	2379783	2398615
10°	719569	724617	735702
15°	178986	182469	176841
20°	53553	62014	54690
25°	18875	24048	19117
30°	6934	9128	7054
35°	3478	3921	3362
40°	2194	2414	2194
45°	1624	1729	1624
50°	1286	1286	1286
55°	1072	1072	1072
60°	864	864	864
65°	664	664	664
70°	563	563	563
75°	348	348	469
80°	244	244	244
85°	125	125	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1729 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1735.7	64.9
10°-20°	713.9	26.7
20°-30°	141.8	5.3
30°-40°	35.4	1.3
40°-50°	18.6	0.7
50°-60°	13.8	0.5
60°-70°	9.8	0.4
70°-80°	5.5	0.2
80°-90°	1.7	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°	2591.5	96.8
0°-40°	2626.8	98.2
0°-60°	2659.2	99.4
0°-90°	2676.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2676.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36463	36463	36463	36463	36463	
5°	23724	23480	23416	23578	23602	1732
15°	2061	2099	2101	2064	2036	707
25°	242	275	309	273	245	127
35°	48	51	54	51	46	32
45°	23	23	25	23	23	18
55°	15	15	15	15	15	14
65°	9	9	9	9	9	10
75°	5	5	5	5	6	5
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°	36462.9	36462.9	36462.9	36462.9	36462.9
2.5°	32891.1	32918.8	32929.6	32962.1	33082.5
5°	23723.6	23479.7	23416.4	23578.5	23601.7
7.5°	14052.9	14102.3	14282.9	14323.1	14178.0
10°	7711.8	7775.1	7765.9	7821.4	7884.7
12.5°	3943.9	3894.5	3879.1	3942.4	3854.4
15°	2060.7	2099.3	2100.8	2063.8	2036.0
17.5°	1108.3	1153.1	1227.2	1167.0	1074.3
20°	654.5	694.6	757.9	708.5	668.4
22.5°	404.4	436.8	481.6	443.0	410.6
25°	242.3	274.8	308.7	273.2	245.4
27.5°	143.6	171.3	193.0	169.8	142.0
30°	92.6	108.1	121.9	106.5	94.2
32.5°	64.8	71.0	77.2	71.0	64.8
35°	47.9	50.9	54.0	50.9	46.3
37.5°	37.0	40.1	41.7	38.6	35.5
40°	30.9	32.4	34.0	32.4	30.9
42.5°	26.2	27.8	27.8	27.8	26.2
45°	23.2	23.2	24.7	23.2	23.2
47.5°	20.1	20.1	21.6	20.1	20.1
50°	18.5	18.5	18.5	18.5	18.5
52.5°	17.0	17.0	17.0	17.0	17.0
55°	15.4	15.4	15.4	15.4	15.4
57.5°	13.9	13.9	13.9	13.9	13.9
60°	12.3	12.3	12.3	12.3	12.3
62.5°	10.8	10.8	10.8	10.8	10.8
65°	9.3	9.3	9.3	9.3	9.3
67.5°	9.3	9.3	9.3	9.3	9.3
70°	7.7	7.7	7.7	7.7	7.7
72.5°	6.2	6.2	6.2	6.2	6.2
75°	4.6	4.6	4.6	4.6	4.6
77.5°	4.6	4.6	4.6	4.6	4.6
80°	3.1	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.5	1.5	1.5	1.5	1.5
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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