

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: P790781

Luminaire Tested: LER6D25D010-EC6DR3020359035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR3020359035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5639.0 lumens
Efficiency: N/A
Efficacy: 224.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
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

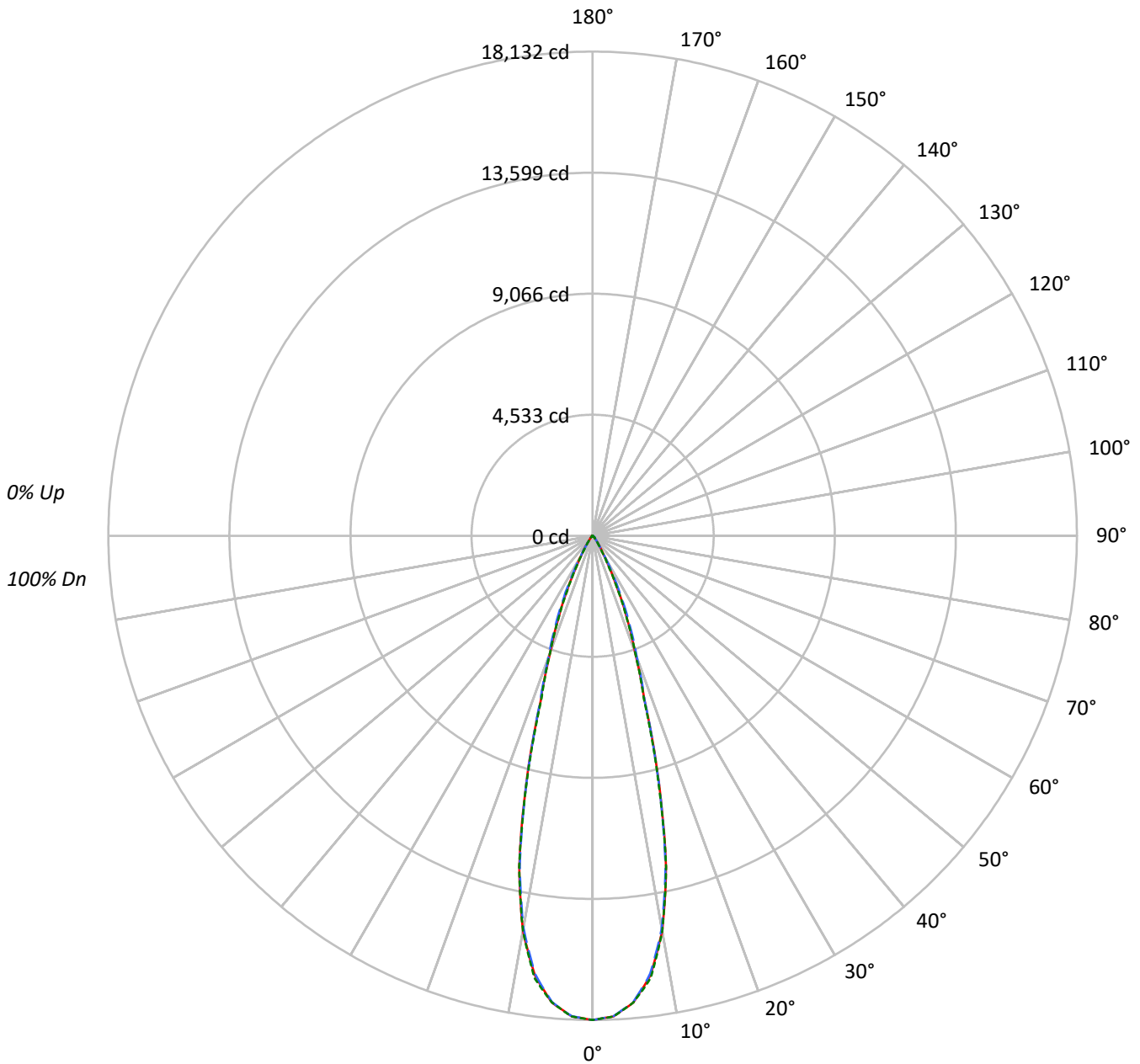


Downlight

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1387885	1387885	1387885
5°	1348045	1346470	1348114
10°	1167612	1159381	1167332
15°	761808	757719	753907
20°	378810	393024	378305
25°	190821	215178	186910
30°	76400	83250	66563
35°	35433	33938	28453
40°	15298	16986	14409
45°	10792	13390	10890
50°	3715	9753	3918
55°	2135	4044	2255
60°	1500	1776	1500
65°	960	960	960
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13390 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1594.4	28.3
10°-20°	2567.9	45.5
20°-30°	1109.6	19.7
30°-40°	252.9	4.5
40°-50°	86.8	1.5
50°-60°	21.2	0.4
60°-70°	5.5	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
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°	5271.9	93.5
0°-40°	5524.8	98.0
0°-60°	5632.9	99.9
0°-90°	5639.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5639.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18132	18132	18132	18132	18132	
5°	17544	17528	17524	17560	17545	1596
15°	9614	9498	9562	9531	9514	2574
25°	2259	2345	2548	2285	2213	1081
35°	379	387	363	360	304	257
45°	100	124	124	124	101	71
55°	16	17	30	18	17	16
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18132.0	18132.0	18132.0	18132.0	18132.0
2.5°	18011.9	17999.4	18006.5	18015.4	18019.0
5°	17544.5	17527.6	17524.0	17560.5	17545.4
7.5°	16601.7	16577.7	16541.2	16624.0	16701.4
10°	15022.5	14995.8	14916.6	14955.7	15018.9
12.5°	12691.0	12604.6	12602.9	12727.5	12710.6
15°	9613.5	9497.8	9561.9	9530.7	9513.8
17.5°	6464.8	6420.3	6505.7	6479.9	6368.6
20°	4650.5	4662.1	4825.0	4743.1	4644.3
22.5°	3393.5	3435.4	3628.5	3417.6	3340.1
25°	2259.4	2344.8	2547.8	2285.2	2213.1
27.5°	1389.6	1428.8	1634.4	1371.8	1332.7
30°	864.4	844.8	941.9	808.3	753.1
32.5°	567.1	542.1	573.3	514.5	470.0
35°	379.2	387.2	363.2	360.5	304.5
37.5°	236.8	272.4	240.4	256.4	195.8
40°	153.1	197.6	170.0	187.8	144.2
42.5°	125.5	152.2	139.8	148.7	128.2
45°	99.7	123.7	123.7	123.7	100.6
47.5°	55.2	82.8	105.9	84.6	58.8
50°	31.2	41.8	81.9	43.6	32.9
52.5°	21.4	24.0	56.1	24.9	22.3
55°	16.0	16.9	30.3	17.8	16.9
57.5°	12.5	13.4	16.0	13.4	12.5
60°	9.8	9.8	11.6	10.7	9.8
62.5°	7.1	7.1	8.0	7.1	7.1
65°	5.3	5.3	5.3	5.3	5.3
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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