

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: P790652

Luminaire Tested: LER6D25D010-EC6DR1515309050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790652
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-EC6DR1515309050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 3231.7 lumens
Efficiency: N/A
Efficacy: 128.8 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

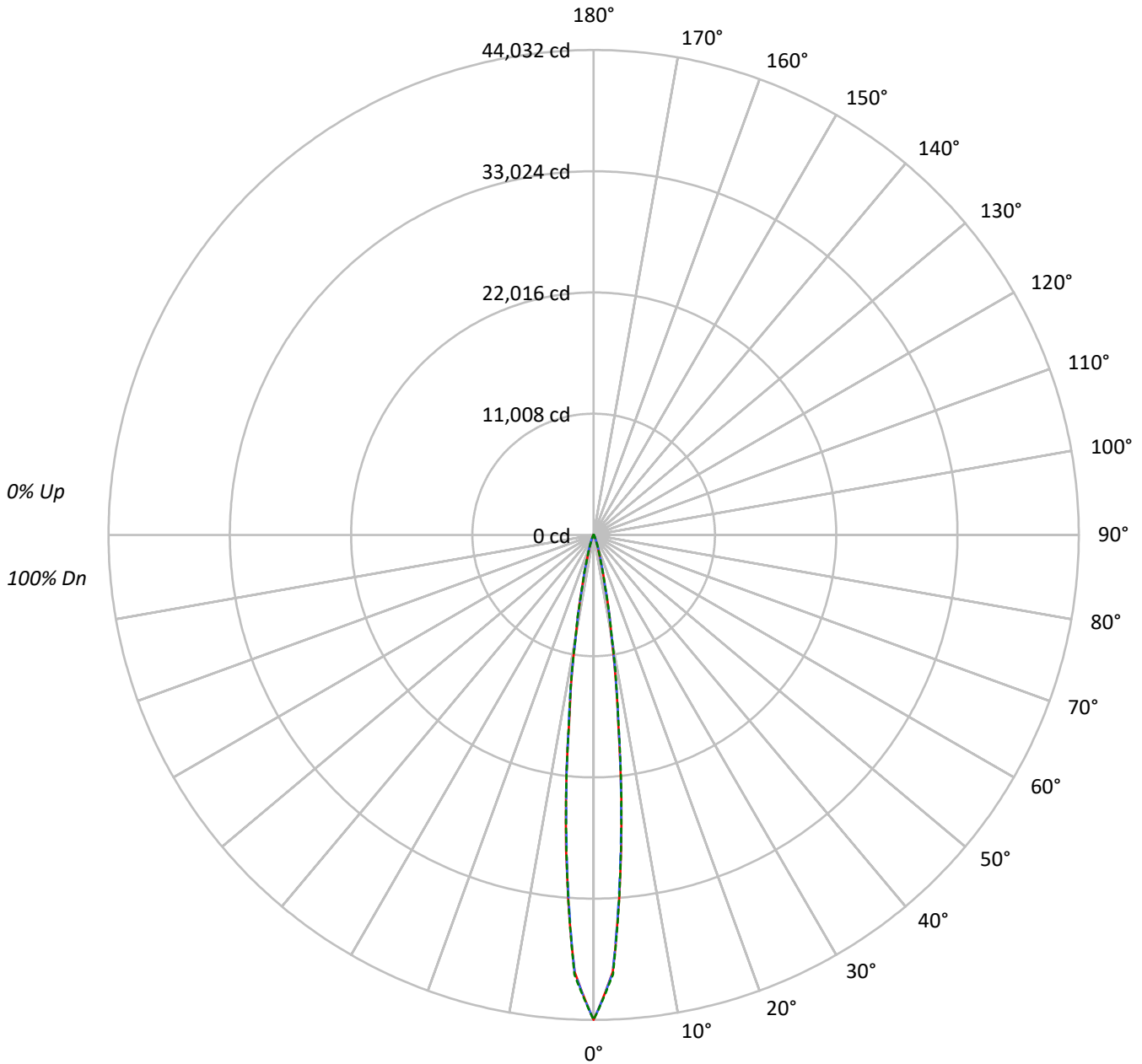
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	4954445	4954445	4954445
5°	2911465	2873771	2896495
10°	868936	875020	888419
15°	216143	220347	213546
20°	64665	74884	66039
25°	22794	29041	23090
30°	8372	11030	8514
35°	4197	4735	4059
40°	2649	2912	2649
45°	1960	2086	1960
50°	1558	1558	1558
55°	1295	1295	1295
60°	1046	1046	1046
65°	799	799	799
70°	680	680	680
75°	423	423	567
80°	292	292	292
85°	158	158	158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2086 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2096.0	64.9
10°-20°	862.1	26.7
20°-30°	171.2	5.3
30°-40°	42.7	1.3
40°-50°	22.5	0.7
50°-60°	16.7	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°	3129.4	96.8
0°-40°	3172.1	98.2
0°-60°	3211.2	99.4
0°-90°	3231.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3231.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	44032	44032	44032	44032	44032	
5°	28648	28354	28277	28473	28501	2092
15°	2488	2535	2537	2492	2459	853
25°	293	332	373	330	296	154
35°	58	62	65	62	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	8	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°	44031.7	44031.7	44031.7	44031.7	44031.7
2.5°	39718.4	39751.9	39765.0	39804.1	39949.5
5°	28648.0	28353.5	28277.1	28472.8	28500.7
7.5°	16970.0	17029.6	17247.7	17296.2	17120.9
10°	9312.6	9389.0	9377.8	9444.9	9521.4
12.5°	4762.5	4702.9	4684.3	4760.7	4654.4
15°	2488.5	2535.1	2536.9	2492.2	2458.6
17.5°	1338.4	1392.4	1481.9	1409.2	1297.4
20°	790.3	838.8	915.2	855.6	807.1
22.5°	488.4	527.5	581.6	535.0	495.8
25°	292.6	331.8	372.8	329.9	296.4
27.5°	173.4	206.9	233.0	205.0	171.5
30°	111.8	130.5	147.3	128.6	113.7
32.5°	78.3	85.7	93.2	85.7	78.3
35°	57.8	61.5	65.2	61.5	55.9
37.5°	44.7	48.5	50.3	46.6	42.9
40°	37.3	39.1	41.0	39.1	37.3
42.5°	31.7	33.6	33.6	33.6	31.7
45°	28.0	28.0	29.8	28.0	28.0
47.5°	24.2	24.2	26.1	24.2	24.2
50°	22.4	22.4	22.4	22.4	22.4
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°	16.8	16.8	16.8	16.8	16.8
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°	7.5	7.5	7.5	7.5	7.5
75°	5.6	5.6	5.6	5.6	5.6
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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