

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: P790628

Luminaire Tested: LER6D25D010-EC6DR1515309030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790628
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-EC6DR1515309030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3014.5 lumens
Efficiency: N/A
Efficacy: 120.1 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

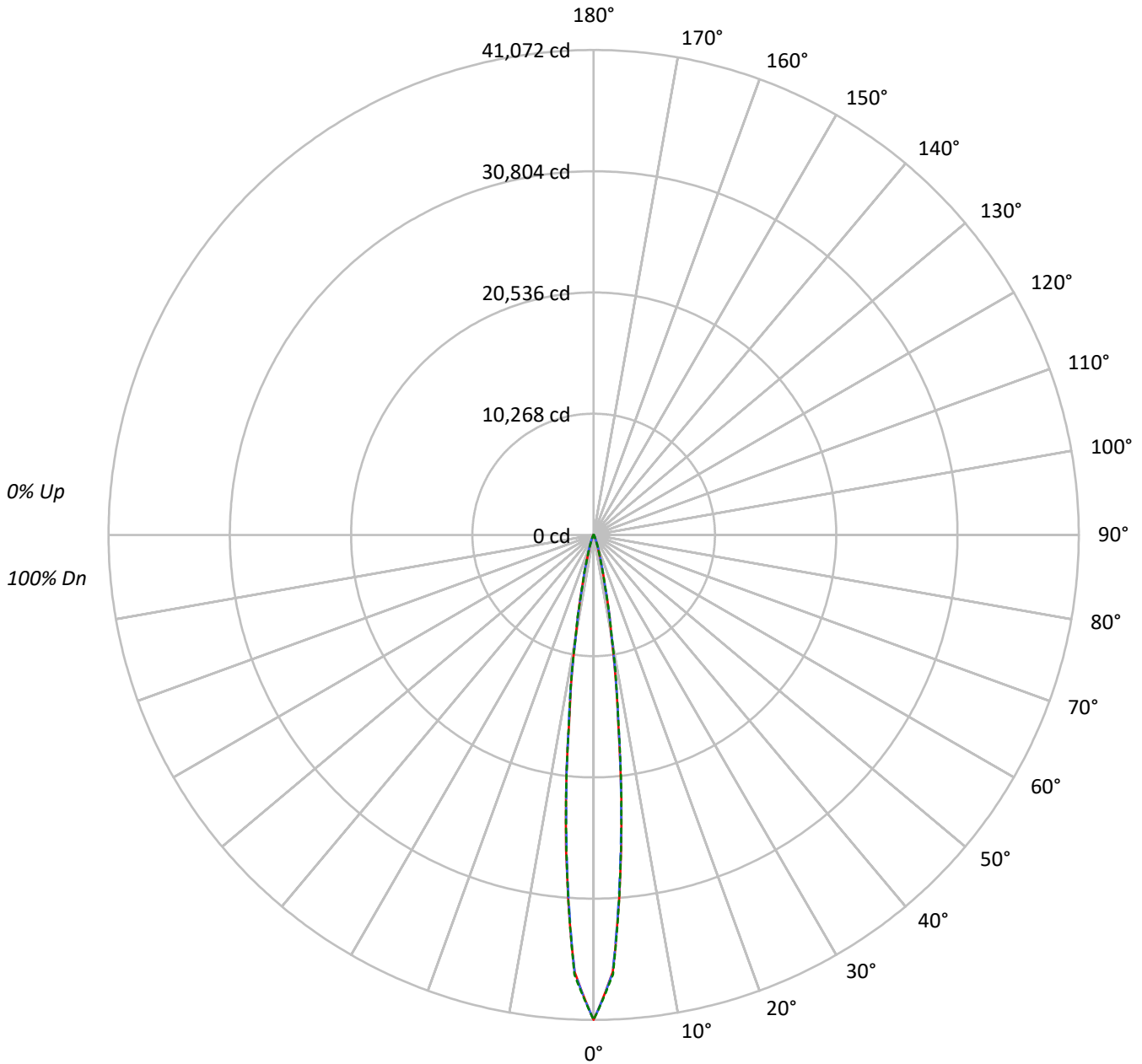
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	4621374	4621374	4621374
5°	2715738	2680574	2701774
10°	810516	816199	828693
15°	201612	205538	199189
20°	60320	69852	61604
25°	21267	27086	21540
30°	7810	10289	7945
35°	3914	4423	3791
40°	2471	2720	2471
45°	1827	1946	1827
50°	1453	1453	1453
55°	1211	1211	1211
60°	976	976	976
65°	742	742	742
70°	636	636	636
75°	393	393	529
80°	276	276	276
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1946 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1955.1	64.9
10°-20°	804.2	26.7
20°-30°	159.7	5.3
30°-40°	39.9	1.3
40°-50°	21.0	0.7
50°-60°	15.5	0.5
60°-70°	11.0	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°	2919.0	96.8
0°-40°	2958.9	98.2
0°-60°	2995.4	99.4
0°-90°	3014.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3014.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	41072	41072	41072	41072	41072	
5°	26722	26447	26376	26559	26585	1951
15°	2321	2365	2366	2325	2293	796
25°	273	310	348	308	276	143
35°	54	57	61	57	52	37
45°	26	26	28	26	26	20
55°	17	17	17	17	17	16
65°	10	10	10	10	10	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°	41071.6	41071.6	41071.6	41071.6	41071.6
2.5°	37048.2	37079.5	37091.7	37128.2	37263.8
5°	26722.1	26447.4	26376.1	26558.6	26584.7
7.5°	15829.1	15884.8	16088.2	16133.4	15970.0
10°	8686.5	8757.8	8747.4	8810.0	8881.3
12.5°	4442.4	4386.7	4369.4	4440.6	4341.5
15°	2321.2	2364.6	2366.4	2324.6	2293.3
17.5°	1248.4	1298.8	1382.3	1314.5	1210.1
20°	737.2	782.4	853.7	798.1	752.9
22.5°	455.5	492.1	542.5	499.0	462.5
25°	273.0	309.5	347.7	307.7	276.5
27.5°	161.7	193.0	217.3	191.3	160.0
30°	104.3	121.7	137.4	120.0	106.1
32.5°	73.0	80.0	86.9	80.0	73.0
35°	53.9	57.4	60.9	57.4	52.2
37.5°	41.7	45.2	46.9	43.5	40.0
40°	34.8	36.5	38.3	36.5	34.8
42.5°	29.6	31.3	31.3	31.3	29.6
45°	26.1	26.1	27.8	26.1	26.1
47.5°	22.6	22.6	24.3	22.6	22.6
50°	20.9	20.9	20.9	20.9	20.9
52.5°	19.1	19.1	19.1	19.1	19.1
55°	17.4	17.4	17.4	17.4	17.4
57.5°	15.6	15.6	15.6	15.6	15.6
60°	13.9	13.9	13.9	13.9	13.9
62.5°	12.2	12.2	12.2	12.2	12.2
65°	10.4	10.4	10.4	10.4	10.4
67.5°	10.4	10.4	10.4	10.4	10.4
70°	8.7	8.7	8.7	8.7	8.7
72.5°	7.0	7.0	7.0	7.0	7.0
75°	5.2	5.2	5.2	5.2	7.0
77.5°	5.2	5.2	5.2	5.2	5.2
80°	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.7	1.7	1.7	1.7	1.7
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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