

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: P790754

Luminaire Tested: LER6D25D010-EC6DR3020359024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790754
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-EC6DR3020359024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3761.2 lumens
Efficiency: N/A
Efficacy: 149.8 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

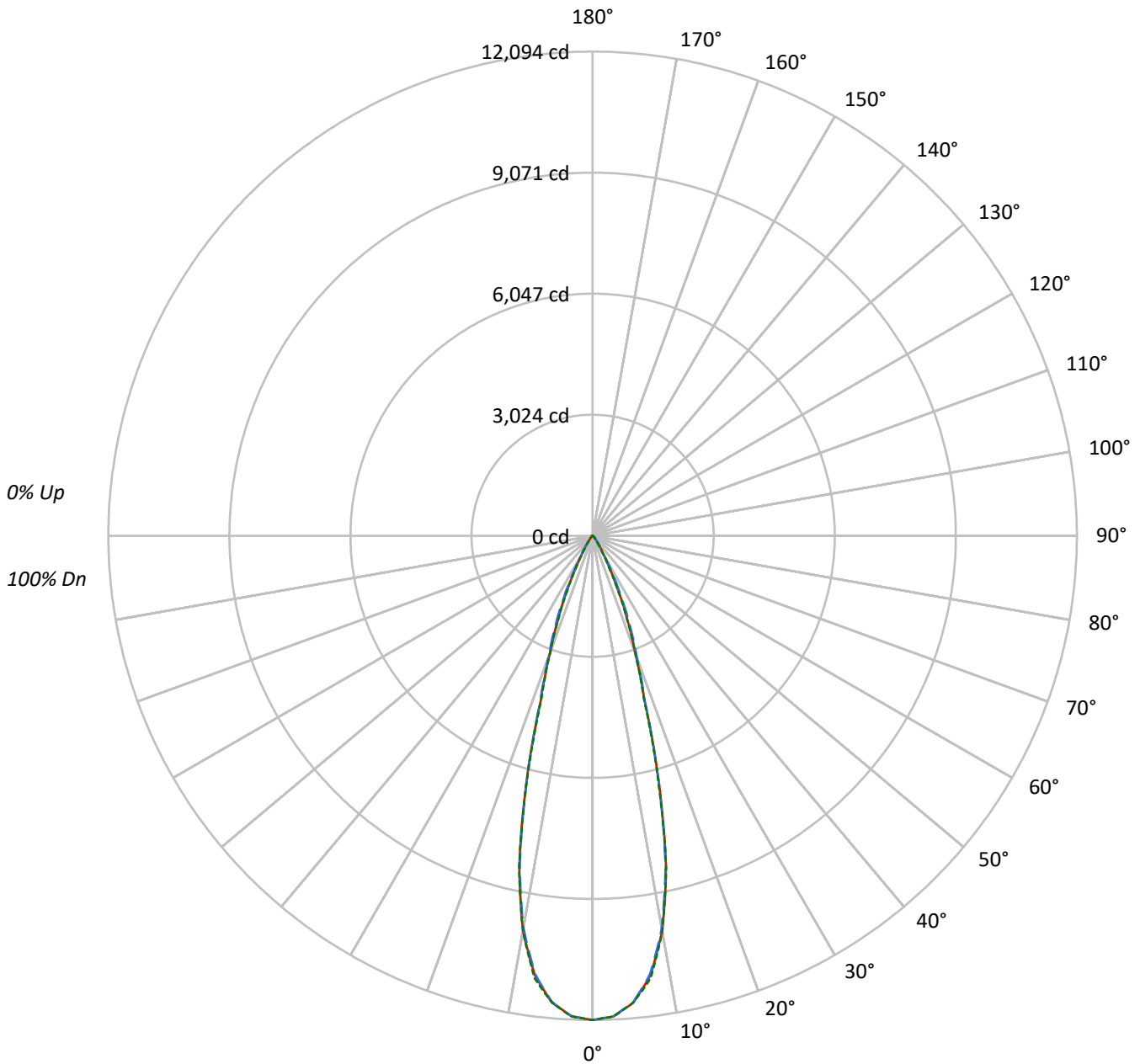
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	925723	925723	925723
5°	899148	898103	899194
10°	778796	773309	778618
15°	508126	505400	502856
20°	252668	262149	252334
25°	127276	143525	124666
30°	50963	55523	44396
35°	23641	22641	18978
40°	10202	11331	9612
45°	7199	8931	7263
50°	2477	6502	2620
55°	1428	2696	1508
60°	995	1179	995
65°	652	652	652
70°	403	269	403
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 8931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1063.5	28.3
10°-20°	1712.8	45.5
20°-30°	740.1	19.7
30°-40°	168.7	4.5
40°-50°	57.9	1.5
50°-60°	14.1	0.4
60°-70°	3.7	0.1
70°-80°	0.4	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°	3516.4	93.5
0°-40°	3685.1	98.0
0°-60°	3757.1	99.9
0°-90°	3761.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3761.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12094	12094	12094	12094	12094	
5°	11702	11691	11689	11713	11703	1064
15°	6412	6335	6378	6357	6346	1717
25°	1507	1564	1699	1524	1476	721
35°	253	258	242	240	203	172
45°	66	82	82	82	67	47
55°	11	11	20	12	11	10
65°	4	4	4	4	4	4
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°	12094.1	12094.1	12094.1	12094.1	12094.1
2.5°	12014.0	12005.6	12010.4	12016.3	12018.7
5°	11702.2	11690.9	11688.6	11712.9	11702.8
7.5°	11073.4	11057.4	11033.0	11088.3	11139.9
10°	10020.0	10002.2	9949.4	9975.5	10017.7
12.5°	8464.9	8407.3	8406.2	8489.3	8478.0
15°	6412.2	6335.0	6377.8	6357.0	6345.7
17.5°	4312.0	4282.3	4339.3	4322.1	4247.9
20°	3101.9	3109.6	3218.3	3163.7	3097.8
22.5°	2263.5	2291.4	2420.2	2279.5	2227.9
25°	1507.0	1564.0	1699.4	1524.2	1476.1
27.5°	926.9	953.0	1090.2	915.0	888.9
30°	576.6	563.5	628.2	539.2	502.3
32.5°	378.2	361.6	382.4	343.2	313.5
35°	253.0	258.3	242.3	240.5	203.1
37.5°	157.9	181.7	160.3	171.0	130.6
40°	102.1	131.8	113.4	125.3	96.2
42.5°	83.7	101.5	93.2	99.2	85.5
45°	66.5	82.5	82.5	82.5	67.1
47.5°	36.8	55.2	70.7	56.4	39.2
50°	20.8	27.9	54.6	29.1	22.0
52.5°	14.3	16.0	37.4	16.6	14.8
55°	10.7	11.3	20.2	11.9	11.3
57.5°	8.3	8.9	10.7	8.9	8.3
60°	6.5	6.5	7.7	7.1	6.5
62.5°	4.8	4.8	5.3	4.8	4.8
65°	3.6	3.6	3.6	3.6	3.6
67.5°	1.8	2.4	2.4	2.4	2.4
70°	1.8	1.2	1.2	1.2	1.8
72.5°	1.2	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	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

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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