

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: P790770

Luminaire Tested: LER6D25D010-EC6DR3020359030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790770
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-EC6DR3020359030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4311.2 lumens
Efficiency: N/A
Efficacy: 171.8 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

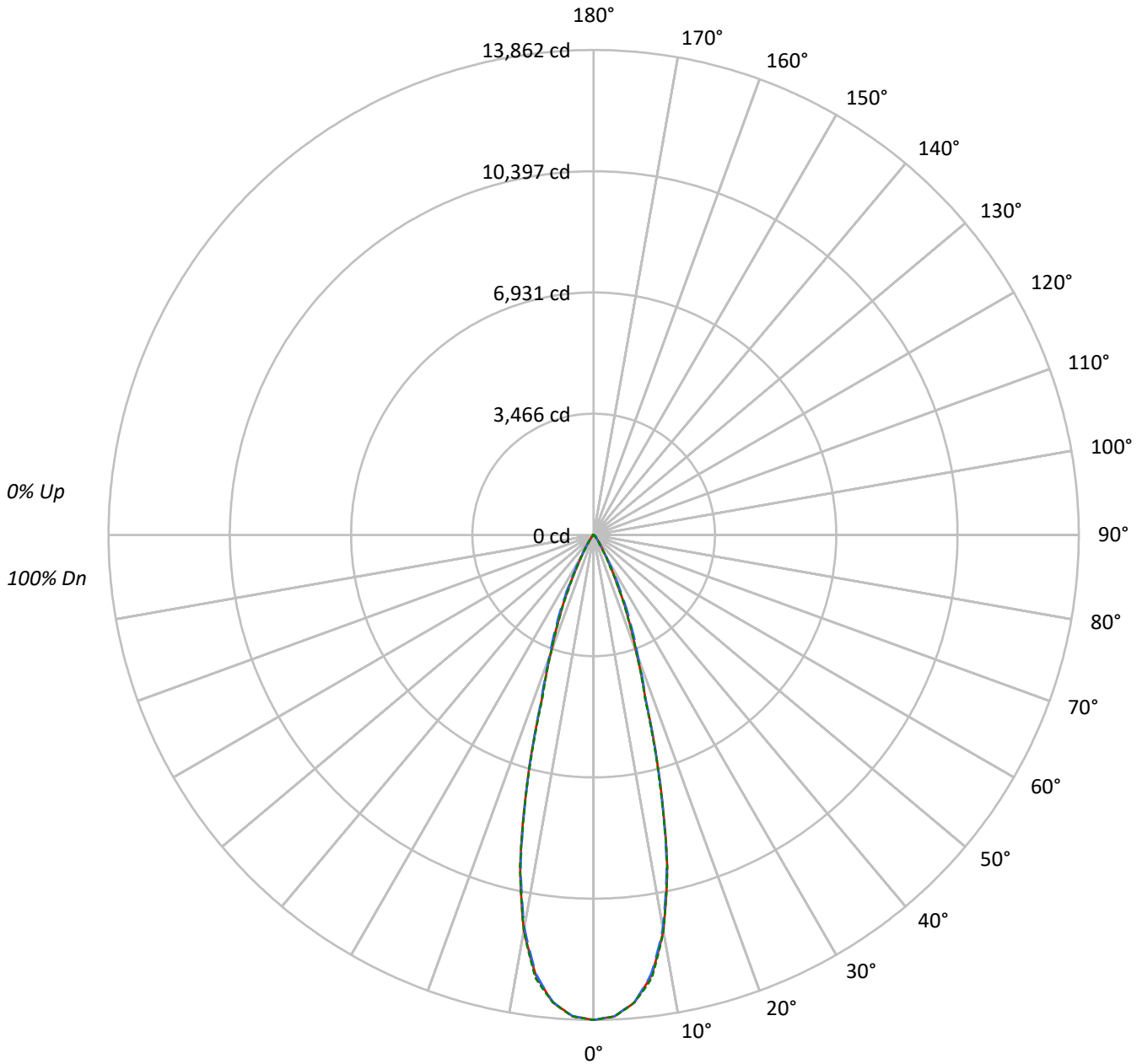
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P790770
CATALOG NUMBER: LER6D25D010-EC6DR3020359030-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P790770

CATALOG NUMBER: LER6D25D010-EC6DR3020359030-6LBDP1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1061083	1061083	1061083
5°	1030621	1029423	1030675
10°	892678	886382	892468
15°	582424	579302	576386
20°	289616	300482	289225
25°	145890	164512	142900
30°	58413	63646	50892
35°	27089	25949	21753
40°	11701	12990	11021
45°	8249	10240	8324
50°	2834	7454	3001
55°	1641	3083	1721
60°	1148	1347	1148
65°	743	743	743
70°	448	313	448
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 10240 cd/sqm



TEST NUMBER: P790770

CATALOG NUMBER: LER6D25D010-EC6DR3020359030-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1219.0	28.3
10°-20°	1963.2	45.5
20°-30°	848.4	19.7
30°-40°	193.4	4.5
40°-50°	66.4	1.5
50°-60°	16.2	0.4
60°-70°	4.2	0.1
70°-80°	0.5	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°	4030.6	93.5
0°-40°	4223.9	98.0
0°-60°	4306.5	99.9
0°-90°	4311.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4311.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13862	13862	13862	13862	13862	
5°	13413	13400	13398	13426	13414	1220
15°	7350	7261	7310	7286	7274	1968
25°	1727	1793	1948	1747	1692	827
35°	290	296	278	276	233	197
45°	76	95	95	95	77	54
55°	12	13	23	14	13	12
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



TEST NUMBER: P790770

CATALOG NUMBER: LER6D25D010-EC6DR3020359030-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13862.5	13862.5	13862.5	13862.5	13862.5
2.5°	13770.6	13761.1	13766.6	13773.4	13776.1
5°	13413.3	13400.4	13397.7	13425.6	13414.0
7.5°	12692.6	12674.2	12646.3	12709.6	12768.8
10°	11485.2	11464.8	11404.2	11434.1	11482.5
12.5°	9702.7	9636.7	9635.3	9730.6	9717.7
15°	7349.8	7261.4	7310.4	7286.5	7273.6
17.5°	4942.5	4908.5	4973.8	4954.1	4869.0
20°	3555.5	3564.3	3688.9	3626.3	3550.7
22.5°	2594.5	2626.4	2774.1	2612.8	2553.6
25°	1727.4	1792.7	1947.9	1747.1	1692.0
27.5°	1062.4	1092.4	1249.6	1048.8	1018.9
30°	660.9	645.9	720.1	618.0	575.8
32.5°	433.5	414.5	438.3	393.4	359.4
35°	289.9	296.1	277.7	275.6	232.8
37.5°	181.0	208.3	183.8	196.0	149.7
40°	117.1	151.1	130.0	143.6	110.3
42.5°	96.0	116.4	106.9	113.7	98.0
45°	76.2	94.6	94.6	94.6	76.9
47.5°	42.2	63.3	81.0	64.7	44.9
50°	23.8	32.0	62.6	33.3	25.2
52.5°	16.3	18.4	42.9	19.1	17.0
55°	12.3	12.9	23.1	13.6	12.9
57.5°	9.5	10.2	12.3	10.2	9.5
60°	7.5	7.5	8.8	8.2	7.5
62.5°	5.4	5.4	6.1	5.4	5.4
65°	4.1	4.1	4.1	4.1	4.1
67.5°	2.0	2.7	2.7	2.7	2.7
70°	2.0	1.4	1.4	1.4	2.0
72.5°	1.4	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)