

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: P790759

Luminaire Tested: LER6D25D010-EC6DR3020359027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790759
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-EC6DR3020359027-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3768.2 lumens
Efficiency: N/A
Efficacy: 150.1 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

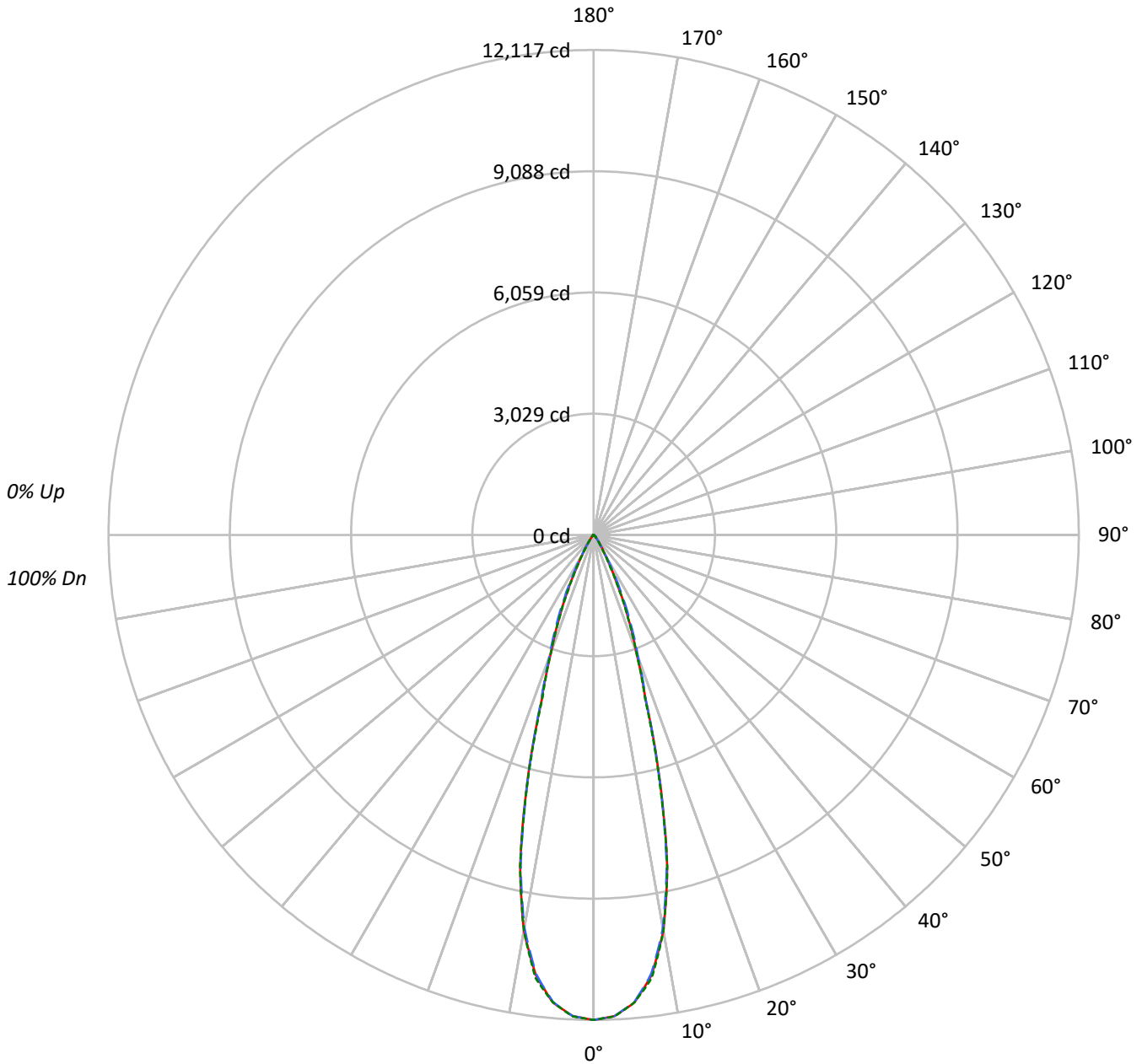
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P790759
CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P790759

CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBDP1B

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°	927446	927446	927446
5°	900823	899770	900869
10°	780250	774747	780063
15°	509076	506343	503791
20°	253140	262638	252798
25°	127512	143795	124902
30°	51051	55629	44484
35°	23678	22678	19015
40°	10222	11351	9632
45°	7209	8952	7274
50°	2477	6514	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: 8952 cd/sqm



TEST NUMBER: P790759

CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1065.5	28.3
10°-20°	1716.0	45.5
20°-30°	741.5	19.7
30°-40°	169.0	4.5
40°-50°	58.0	1.5
50°-60°	14.2	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°	3522.9	93.5
0°-40°	3691.9	98.0
0°-60°	3764.1	99.9
0°-90°	3768.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3768.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12117	12117	12117	12117	12117	
5°	11724	11713	11710	11735	11725	1066
15°	6424	6347	6390	6369	6358	1720
25°	1510	1567	1703	1527	1479	723
35°	253	259	243	241	204	172
45°	67	83	83	83	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



TEST NUMBER: P790759

CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12116.6	12116.6	12116.6	12116.6	12116.6
2.5°	12036.3	12028.0	12032.7	12038.7	12041.1
5°	11724.0	11712.7	11710.3	11734.7	11724.6
7.5°	11094.0	11078.0	11053.6	11108.9	11160.6
10°	10038.7	10020.8	9967.9	9994.1	10036.3
12.5°	8480.7	8423.0	8421.8	8505.1	8493.8
15°	6424.2	6346.8	6389.7	6368.8	6357.5
17.5°	4320.1	4290.3	4347.4	4330.2	4255.8
20°	3107.7	3115.4	3224.3	3169.6	3103.5
22.5°	2267.7	2295.7	2424.8	2283.8	2232.0
25°	1509.8	1566.9	1702.6	1527.1	1478.9
27.5°	928.6	954.8	1092.2	916.7	890.5
30°	577.6	564.5	629.4	540.2	503.3
32.5°	378.9	362.3	383.1	343.8	314.1
35°	253.4	258.8	242.7	240.9	203.5
37.5°	158.2	182.0	160.6	171.3	130.9
40°	102.3	132.1	113.6	125.5	96.4
42.5°	83.9	101.7	93.4	99.3	85.7
45°	66.6	82.7	82.7	82.7	67.2
47.5°	36.9	55.3	70.8	56.5	39.3
50°	20.8	28.0	54.7	29.1	22.0
52.5°	14.3	16.1	37.5	16.7	14.9
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	5.4	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



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)