

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: P790792

Luminaire Tested: LER6D25D010-EC6DR3020359050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790792
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-EC6DR3020359050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5181.2 lumens
Efficiency: N/A
Efficacy: 206.4 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

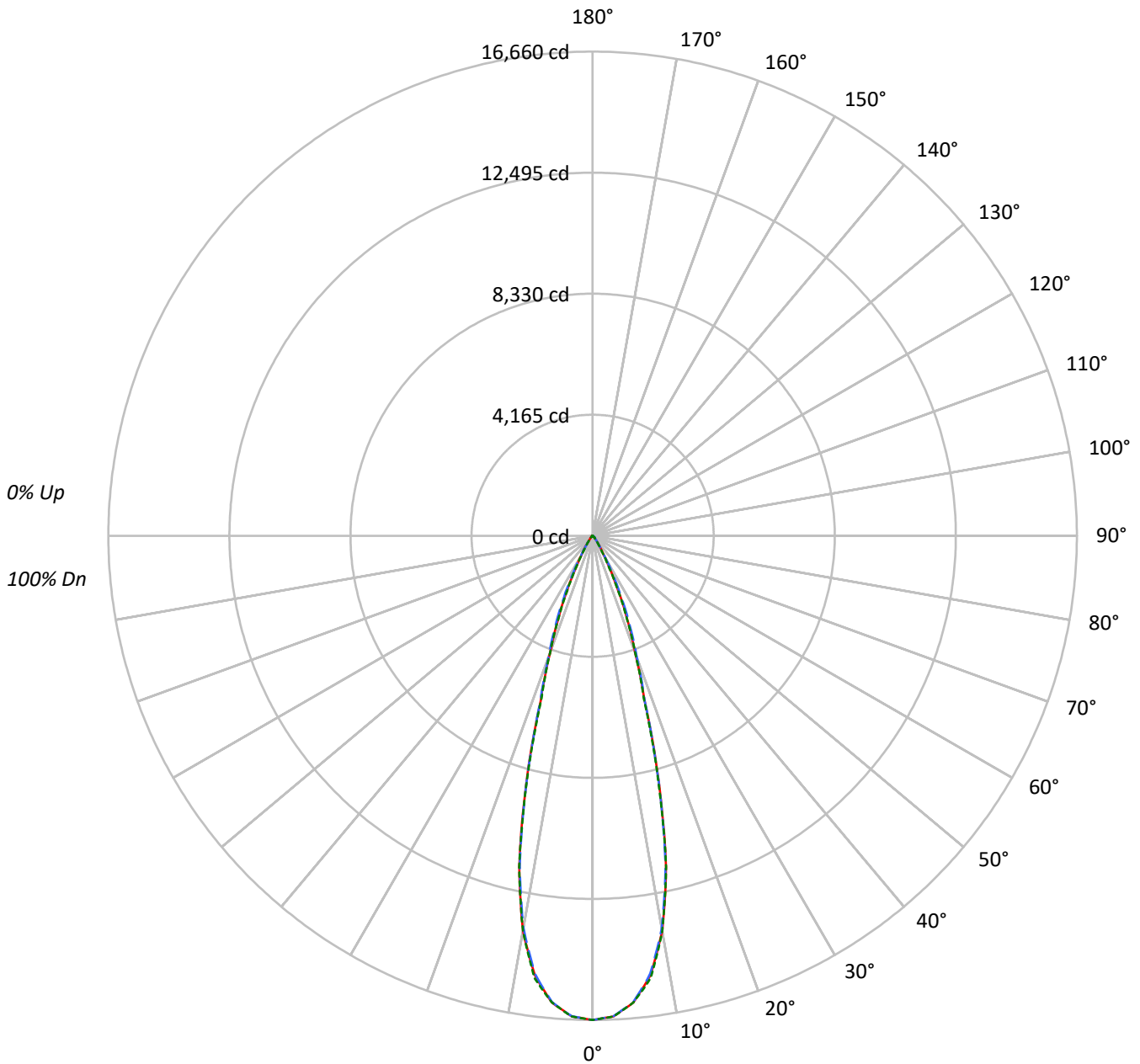


Downlight

TEST NUMBER: P790792

CATALOG NUMBER: LER6D25D010-EC6DR3020359050-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P790792

CATALOG NUMBER: LER6D25D010-EC6DR3020359050-6LBDP1H

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°	1275213	1275213	1275213
5°	1238600	1237156	1238662
10°	1072819	1065249	1072563
15°	699958	696202	692700
20°	348061	361118	347588
25°	175331	197712	171733
30°	70195	76488	61162
35°	32555	31182	26136
40°	14059	15608	13239
45°	9916	12308	10002
50°	3406	8967	3608
55°	1962	3710	2068
60°	1378	1623	1378
65°	887	887	887
70°	559	358	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 12308 cd/sqm



TEST NUMBER: P790792

CATALOG NUMBER: LER6D25D010-EC6DR3020359050-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1465.0	28.3
10°-20°	2359.4	45.5
20°-30°	1019.6	19.7
30°-40°	232.4	4.5
40°-50°	79.8	1.5
50°-60°	19.5	0.4
60°-70°	5.0	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°	4843.9	93.5
0°-40°	5076.3	98.0
0°-60°	5175.6	99.9
0°-90°	5181.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5181.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16660	16660	16660	16660	16660	
5°	16120	16105	16101	16135	16121	1466
15°	8833	8727	8786	8757	8741	2365
25°	2076	2154	2341	2100	2033	994
35°	348	356	334	331	280	236
45°	92	114	114	114	92	65
55°	15	16	28	16	16	14
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P790792

CATALOG NUMBER: LER6D25D010-EC6DR3020359050-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16660.0	16660.0	16660.0	16660.0	16660.0
2.5°	16549.6	16538.1	16544.6	16552.8	16556.1
5°	16120.1	16104.6	16101.3	16134.9	16120.9
7.5°	15253.9	15231.8	15198.3	15274.4	15345.5
10°	13802.9	13778.3	13705.5	13741.5	13799.6
12.5°	11660.7	11581.3	11579.7	11694.2	11678.7
15°	8833.0	8726.7	8785.6	8757.0	8741.4
17.5°	5939.9	5899.0	5977.6	5953.8	5851.6
20°	4273.0	4283.6	4433.3	4358.0	4267.2
22.5°	3118.0	3156.5	3334.0	3140.1	3068.9
25°	2076.0	2154.5	2341.0	2099.7	2033.4
27.5°	1276.8	1312.8	1501.8	1260.5	1224.5
30°	794.2	776.2	865.4	742.7	692.0
32.5°	521.0	498.1	526.8	472.8	431.9
35°	348.4	355.8	333.7	331.3	279.7
37.5°	217.6	250.3	220.8	235.6	179.9
40°	140.7	181.6	156.2	172.6	132.5
42.5°	115.3	139.9	128.4	136.6	117.8
45°	91.6	113.7	113.7	113.7	92.4
47.5°	50.7	76.1	97.3	77.7	54.0
50°	28.6	38.4	75.3	40.1	30.3
52.5°	19.6	22.1	51.5	22.9	20.4
55°	14.7	15.5	27.8	16.4	15.5
57.5°	11.5	12.3	14.7	12.3	11.5
60°	9.0	9.0	10.6	9.8	9.0
62.5°	6.5	6.5	7.4	6.5	6.5
65°	4.9	4.9	4.9	4.9	4.9
67.5°	2.5	3.3	3.3	3.3	3.3
70°	2.5	1.6	1.6	1.6	2.5
72.5°	1.6	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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)