

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: P788349

Luminaire Tested: LER6D08D010-EC6DR300210IC9035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788349
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: LER6D08D010-EC6DR300210IC9035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1546.1 lumens
Efficiency: N/A
Efficacy: 173.7 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): 8.9
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

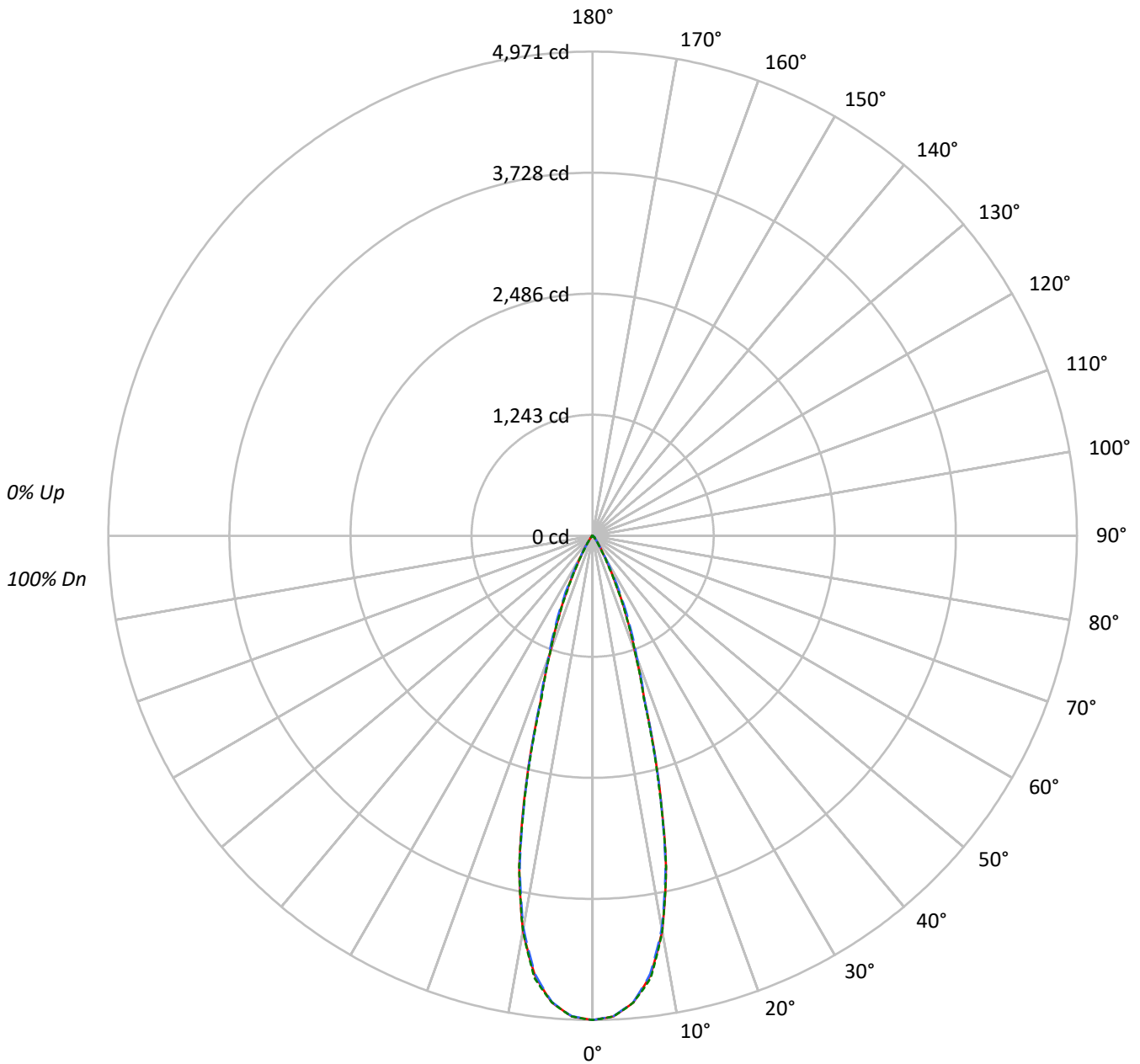


Downlight

TEST NUMBER: P788349

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P788349

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBS1LI

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°	380528	380528	380528
5°	369603	369173	369619
10°	320130	317876	320053
15°	208870	207745	206707
20°	103864	107758	103718
25°	52321	58993	51248
30°	20947	22821	18251
35°	9718	9307	7802
40°	4197	4656	3947
45°	2955	3670	2988
50°	1012	2679	1072
55°	587	1108	614
60°	413	490	413
65°	272	272	272
70°	157	112	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3670 cd/sqm



TEST NUMBER: P788349

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.2	28.3
10°-20°	704.0	45.5
20°-30°	304.2	19.7
30°-40°	69.3	4.5
40°-50°	23.8	1.5
50°-60°	5.8	0.4
60°-70°	1.5	0.1
70°-80°	0.1	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°	1445.4	93.5
0°-40°	1514.8	98.0
0°-60°	1544.4	99.9
0°-90°	1546.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1546.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4971	4971	4971	4971	4971	
5°	4810	4806	4805	4815	4810	438
15°	2636	2604	2622	2613	2608	706
25°	620	643	698	626	607	297
35°	104	106	100	99	84	71
45°	27	34	34	34	28	19
55°	4	5	8	5	5	4
65°	2	2	2	2	2	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P788349

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4971.4	4971.4	4971.4	4971.4	4971.4
2.5°	4938.4	4935.0	4936.9	4939.4	4940.4
5°	4810.3	4805.6	4804.7	4814.7	4810.5
7.5°	4551.8	4545.2	4535.2	4557.9	4579.1
10°	4118.8	4111.5	4089.8	4100.5	4117.8
12.5°	3479.6	3455.9	3455.4	3489.6	3484.9
15°	2635.8	2604.1	2621.6	2613.1	2608.5
17.5°	1772.5	1760.3	1783.7	1776.6	1746.1
20°	1275.1	1278.2	1322.9	1300.4	1273.3
22.5°	930.4	941.9	994.9	937.0	915.8
25°	619.5	642.9	698.5	626.5	606.8
27.5°	381.0	391.7	448.1	376.1	365.4
30°	237.0	231.6	258.2	221.6	206.5
32.5°	155.5	148.6	157.2	141.1	128.9
35°	104.0	106.2	99.6	98.9	83.5
37.5°	64.9	74.7	65.9	70.3	53.7
40°	42.0	54.2	46.6	51.5	39.5
42.5°	34.4	41.7	38.3	40.8	35.1
45°	27.3	33.9	33.9	33.9	27.6
47.5°	15.1	22.7	29.0	23.2	16.1
50°	8.5	11.5	22.5	12.0	9.0
52.5°	5.9	6.6	15.4	6.8	6.1
55°	4.4	4.6	8.3	4.9	4.6
57.5°	3.4	3.7	4.4	3.7	3.4
60°	2.7	2.7	3.2	2.9	2.7
62.5°	2.0	2.0	2.2	2.0	2.0
65°	1.5	1.5	1.5	1.5	1.5
67.5°	0.7	1.0	1.0	1.0	1.0
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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)