

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: P794579

Luminaire Tested: LER6D60D010-EC6DR6555659040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D60D010-EC6DR6555659040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6485.9 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
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

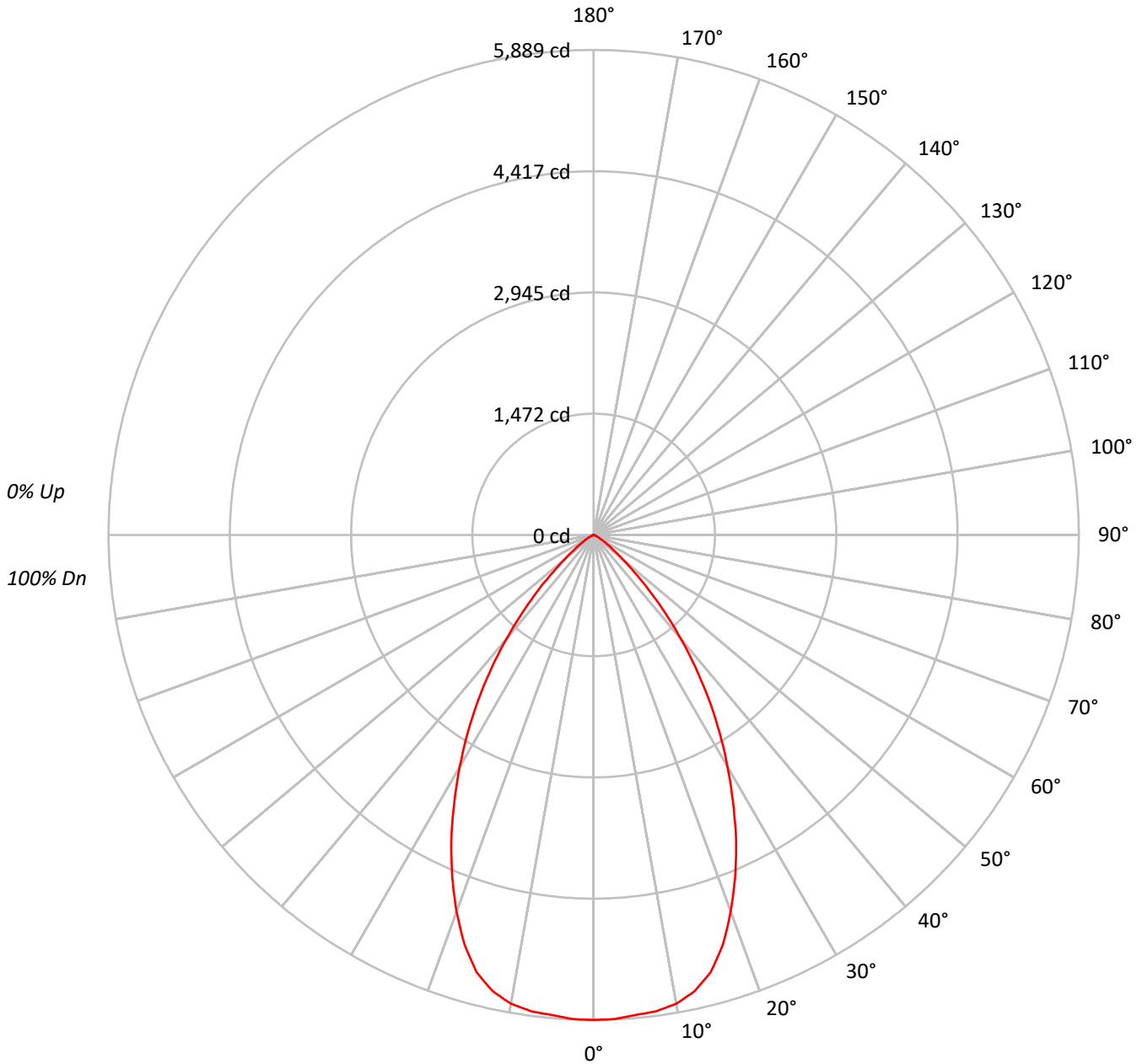


Downlight

TEST NUMBER: P794579

CATALOG NUMBER: LER6D60D010-EC6DR6555659040-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P794579

CATALOG NUMBER: LER6D60D010-EC6DR6555659040-6LBS1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	343940
5°	343073
10°	342776
15°	332214
20°	302438
25°	263553
30°	219204
35°	173689
40°	125355
45°	79201
50°	41278
55°	21943
60°	11529
65°	6343
70°	2664
75°	2934
80°	2052
85°	1742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 79201 cd/sqm



TEST NUMBER: P794579

CATALOG NUMBER: LER6D60D010-EC6DR6555659040-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.9	8.6
10°-20°	1525.0	23.5
20°-30°	1864.1	28.7
30°-40°	1512.5	23.3
40°-50°	753.7	11.6
50°-60°	210.2	3.2
60°-70°	47.8	0.7
70°-80°	12.5	0.2
80°-90°	3.2	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°	3946.1	60.8
0°-40°	5458.5	84.2
0°-60°	6422.5	99.0
0°-90°	6485.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6485.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5889	
5°	5852	557
15°	5494	1525
25°	4090	1864
35°	2436	1512
45°	959	754
55°	216	210
65°	46	48
75°	13	12
85°	3	3
90°	0	



TEST NUMBER: P794579

CATALOG NUMBER: LER6D60D010-EC6DR6555659040-6LBS1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	5889.0
2.5°	5884.7
5°	5851.8
7.5°	5832.7
10°	5779.9
12.5°	5672.6
15°	5494.4
17.5°	5215.7
20°	4866.1
22.5°	4488.8
25°	4089.8
27.5°	3663.2
30°	3250.4
32.5°	2842.8
35°	2436.1
37.5°	2030.2
40°	1644.2
42.5°	1282.5
45°	958.9
47.5°	668.1
50°	454.3
52.5°	313.3
55°	215.5
57.5°	145.4
60°	98.7
62.5°	68.4
65°	45.9
67.5°	23.4
70°	15.6
72.5°	14.7
75°	13.0
77.5°	8.7
80°	6.1
82.5°	4.3
85°	2.6
87.5°	1.7
90°	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



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

Scaled Data Report



— 0°-180°

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)