

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: P786111

Luminaire Tested: LERS6D08D010-EC6DR400210IC9030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D08D010-EC6DR400210IC9030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1416.5 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' 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

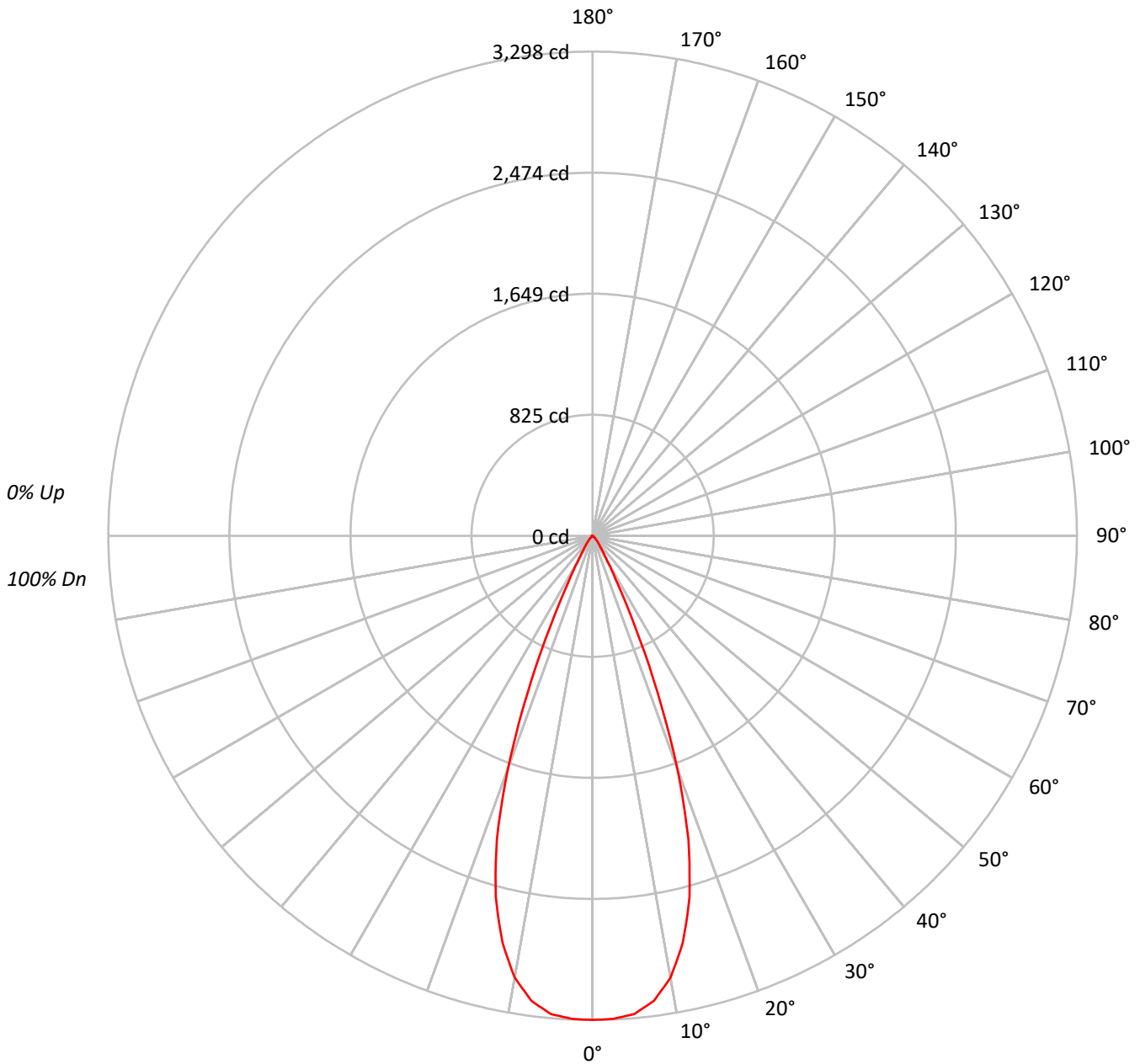


Downlight

TEST NUMBER: P786111

CATALOG NUMBER: LERS6D08D010-EC6DR400210IC9030-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P786111

CATALOG NUMBER: LERS6D08D010-EC6DR400210IC9030-6LBS1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	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	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96																											
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92																											
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88																											
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84																											
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81																											
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77																											
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74																											
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72																											
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69																											
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	360331
5°	358582
10°	338941
15°	288138
20°	196385
25°	81942
30°	25763
35°	11978
40°	6618
45°	3044
50°	1479
55°	800
60°	415
65°	155
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3044 cd/sqm



TEST NUMBER: P786111

CATALOG NUMBER: LERS6D08D010-EC6DR400210IC9030-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.3	21.6
10°-20°	683.9	48.3
20°-30°	342.3	24.2
30°-40°	62.8	4.4
40°-50°	17.3	1.2
50°-60°	4.1	0.3
60°-70°	0.8	0.1
70°-80°	0.0	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°	1331.5	94.0
0°-40°	1394.3	98.4
0°-60°	1415.7	99.9
0°-90°	1416.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1416.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3298	
5°	3269	305
15°	2547	684
25°	680	342
35°	90	63
45°	20	17
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P786111

CATALOG NUMBER: LERS6D08D010-EC6DR400210IC9030-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3297.9
2.5°	3293.1
5°	3269.4
7.5°	3193.9
10°	3055.0
12.5°	2838.4
15°	2547.3
17.5°	2168.8
20°	1689.0
22.5°	1151.5
25°	679.7
27.5°	359.3
30°	204.2
32.5°	132.0
35°	89.8
37.5°	64.2
40°	46.4
42.5°	31.8
45°	19.7
47.5°	12.5
50°	8.7
52.5°	6.2
55°	4.2
57.5°	2.7
60°	1.9
62.5°	1.2
65°	0.6
67.5°	0.4
70°	0.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)