

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: P785627

Luminaire Tested: LERS6D02D010-EC6DR700210IC9027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D02D010-EC6DR700210IC9027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 618.1 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
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

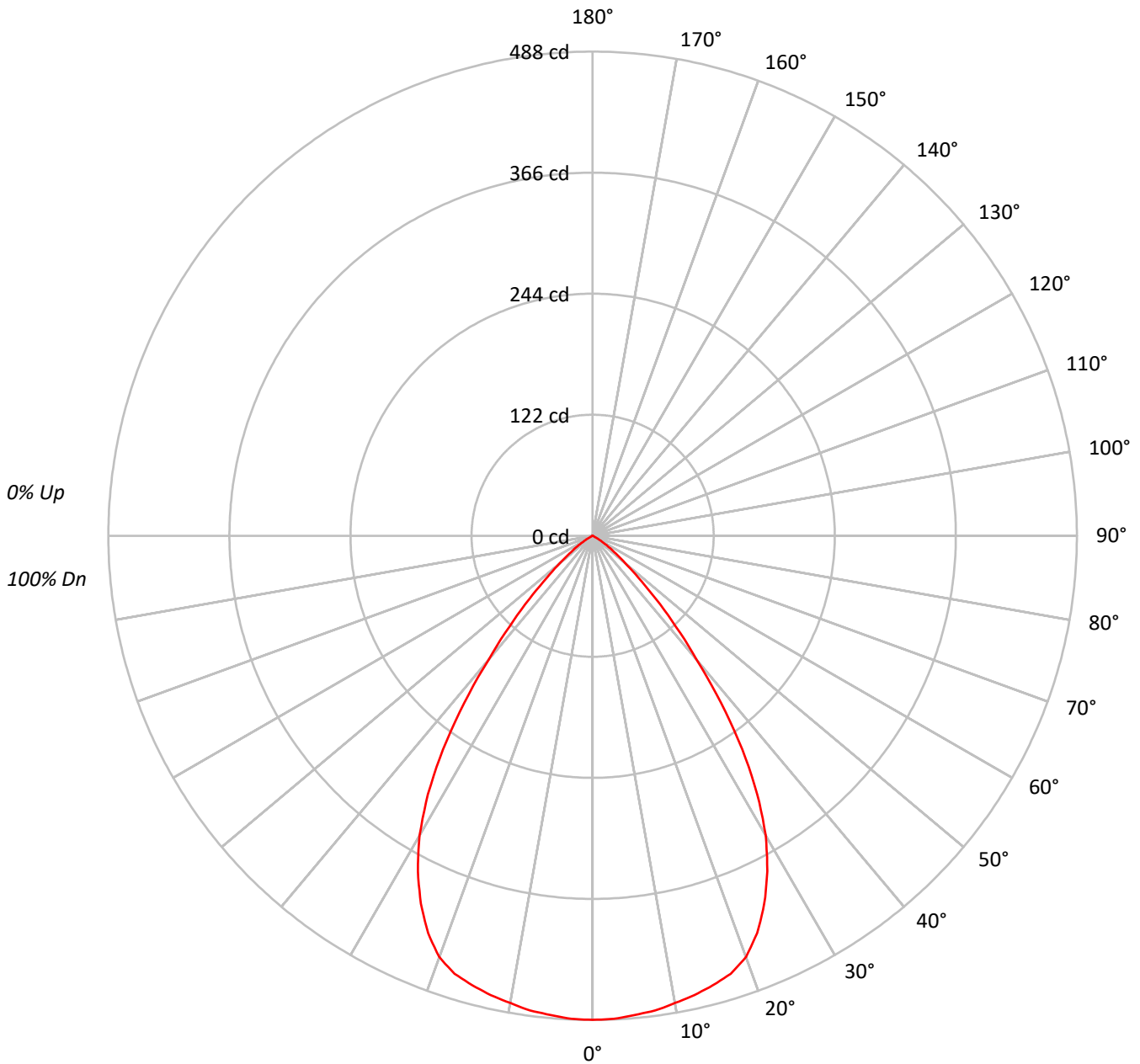


Downlight

TEST NUMBER: P785627

CATALOG NUMBER: LERS6D02D010-EC6DR700210IC9027-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P785627

CATALOG NUMBER: LERS6D02D010-EC6DR700210IC9027-6LBS1MW

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			100																
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78			78																
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71			71																
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65			65																
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60			60																
7	80	69	63	58	78	69	63	58	67	62	58	66	61	57	65	61	57	56			56																
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			51																
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48			48																
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44			44																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53308
5°	53172
10°	53055
15°	53040
20°	52532
25°	49344
30°	43993
35°	35066
40°	23291
45°	13922
50°	7224
55°	3791
60°	1333
65°	26
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13922 cd/sqm



TEST NUMBER: P785627

CATALOG NUMBER: LERS6D02D010-EC6DR700210IC9027-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	7.5
10°-20°	132.2	21.4
20°-30°	186.6	30.2
30°-40°	161.0	26.1
40°-50°	72.1	11.7
50°-60°	18.9	3.1
60°-70°	1.2	0.2
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°	364.9	59.0
0°-40°	525.9	85.1
0°-60°	616.9	99.8
0°-90°	618.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	618.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	488	
5°	485	46
15°	469	132
25°	409	187
35°	263	161
45°	90	72
55°	20	19
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P785627

CATALOG NUMBER: LERS6D02D010-EC6DR700210IC9027-6LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	487.9
2.5°	487.4
5°	484.8
7.5°	482.7
10°	478.2
12.5°	474.2
15°	468.9
17.5°	462.9
20°	451.8
22.5°	433.4
25°	409.3
27.5°	381.3
30°	348.7
32.5°	308.7
35°	262.9
37.5°	212.4
40°	163.3
42.5°	124.1
45°	90.1
47.5°	62.1
50°	42.5
52.5°	29.3
55°	19.9
57.5°	12.0
60°	6.1
62.5°	1.9
65°	0.1
67.5°	0.0
70°	0.0
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)