

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: P786555

Luminaire Tested: LERS6D10D010-EC6DR650210IC9050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786555
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: LERS6D10D010-EC6DR650210IC9050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1704.5 lumens
Efficiency: N/A
Efficacy: 145.7 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

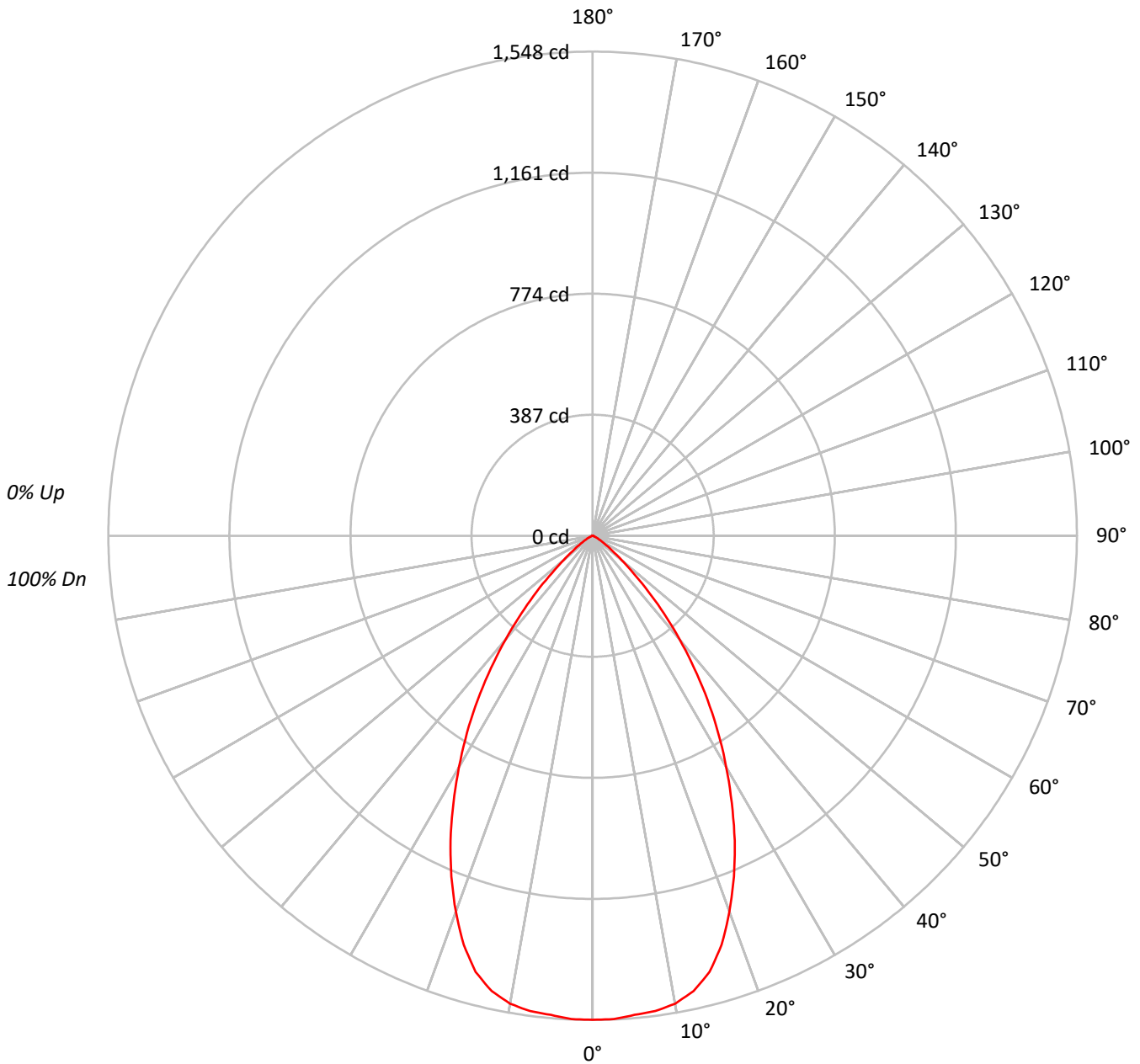
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P786555
CATALOG NUMBER: LERS6D10D010-EC6DR650210IC9050-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P786555

CATALOG NUMBER: LERS6D10D010-EC6DR650210IC9050-6LBS1MW

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	105	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	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90386
5°	90157
10°	90084
15°	87304
20°	79480
25°	69262
30°	57606
35°	45645
40°	32944
45°	20814
50°	10849
55°	5763
60°	3025
65°	1672
70°	700
75°	767
80°	538
85°	469

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20814 cd/sqm



TEST NUMBER: P786555

CATALOG NUMBER: LERS6D10D010-EC6DR650210IC9050-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.4	8.6
10°-20°	400.8	23.5
20°-30°	489.9	28.7
30°-40°	397.5	23.3
40°-50°	198.1	11.6
50°-60°	55.2	3.2
60°-70°	12.6	0.7
70°-80°	3.3	0.2
80°-90°	0.8	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°	1037.0	60.8
0°-40°	1434.5	84.2
0°-60°	1687.8	99.0
0°-90°	1704.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1704.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1548	
5°	1538	146
15°	1444	401
25°	1075	490
35°	640	397
45°	252	198
55°	57	55
65°	12	13
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P786555

CATALOG NUMBER: LERS6D10D010-EC6DR650210IC9050-6LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1547.6
2.5°	1546.5
5°	1537.8
7.5°	1532.8
10°	1519.0
12.5°	1490.8
15°	1443.9
17.5°	1370.7
20°	1278.8
22.5°	1179.6
25°	1074.8
27.5°	962.7
30°	854.2
32.5°	747.1
35°	640.2
37.5°	533.5
40°	432.1
42.5°	337.0
45°	252.0
47.5°	175.6
50°	119.4
52.5°	82.3
55°	56.6
57.5°	38.2
60°	25.9
62.5°	18.0
65°	12.1
67.5°	6.1
70°	4.1
72.5°	3.9
75°	3.4
77.5°	2.3
80°	1.6
82.5°	1.1
85°	0.7
87.5°	0.5
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)