

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: P787078

Luminaire Tested: LER6D02D010-EC6DR300210IC9024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787078
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: LER6D02D010-EC6DR300210IC9024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 539.3 lumens
Efficiency: N/A
Efficacy: 105.7 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): 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

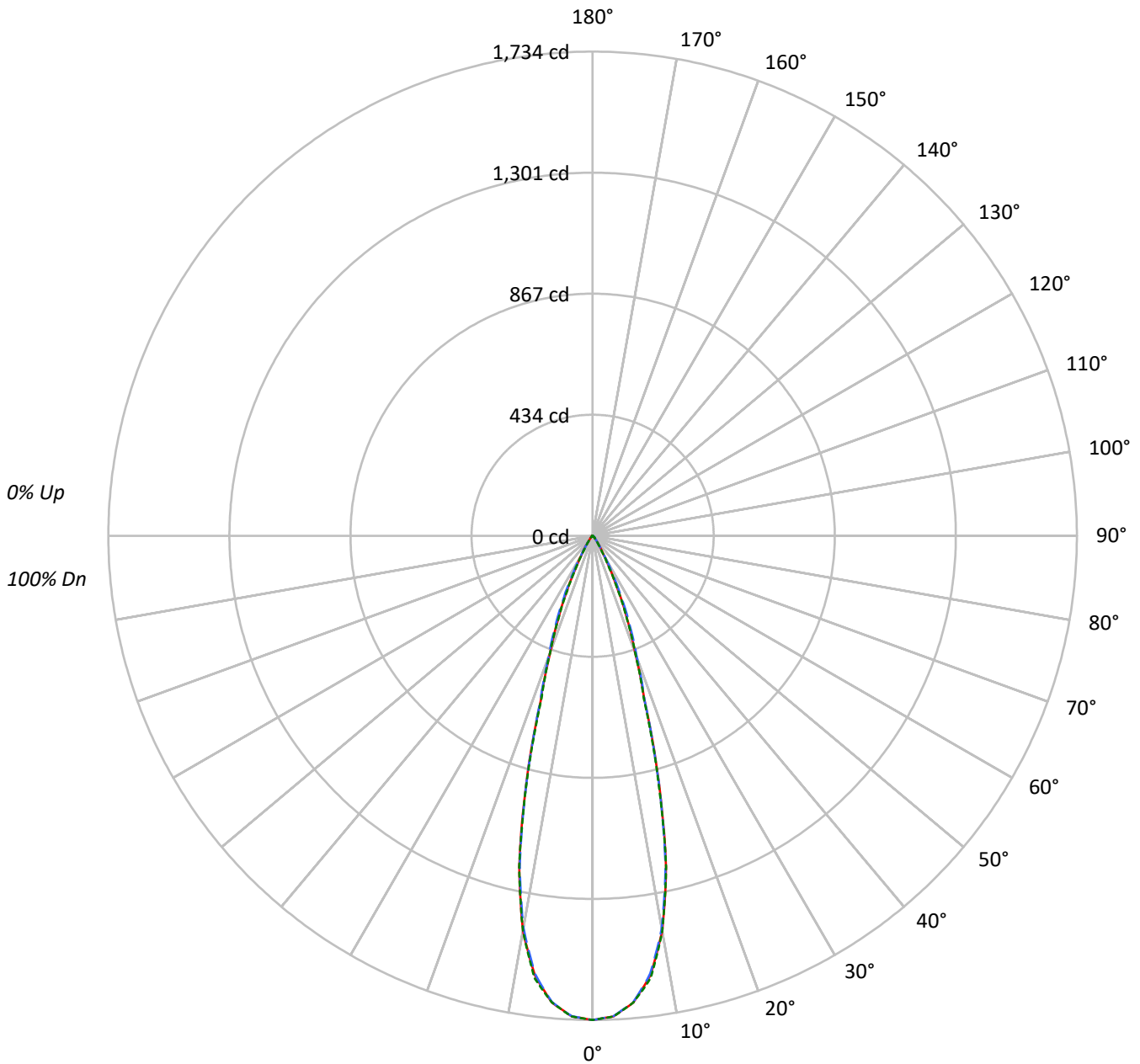


Downlight

TEST NUMBER: P787078

CATALOG NUMBER: LER6D02D010-EC6DR300210IC9024-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P787078

CATALOG NUMBER: LER6D02D010-EC6DR300210IC9024-6LBS1MW

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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	132726	132726	132726
5°	128915	128769	128923
10°	111659	110874	111635
15°	72857	72460	72096
20°	36223	37584	36175
25°	18251	20582	17871
30°	7309	7963	6364
35°	3392	3242	2719
40°	1459	1629	1379
45°	1028	1277	1039
50°	357	929	369
55°	200	387	214
60°	138	168	138
65°	91	91	91
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1277 cd/sqm



TEST NUMBER: P787078

CATALOG NUMBER: LER6D02D010-EC6DR300210IC9024-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.5	28.3
10°-20°	245.6	45.5
20°-30°	106.1	19.7
30°-40°	24.2	4.5
40°-50°	8.3	1.5
50°-60°	2.0	0.4
60°-70°	0.5	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°	504.2	93.5
0°-40°	528.3	98.0
0°-60°	538.7	99.9
0°-90°	539.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	539.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1734	1734	1734	1734	1734	
5°	1678	1676	1676	1679	1678	153
15°	919	908	914	911	910	246
25°	216	224	244	218	212	103
35°	36	37	35	34	29	25
45°	10	12	12	12	10	7
55°	2	2	3	2	2	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P787078

CATALOG NUMBER: LER6D02D010-EC6DR300210IC9024-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1734.0	1734.0	1734.0	1734.0	1734.0
2.5°	1722.5	1721.3	1722.0	1722.9	1723.2
5°	1677.8	1676.2	1675.9	1679.3	1677.9
7.5°	1587.7	1585.4	1581.9	1589.8	1597.2
10°	1436.6	1434.1	1426.5	1430.2	1436.3
12.5°	1213.7	1205.4	1205.2	1217.2	1215.5
15°	919.4	908.3	914.4	911.4	909.8
17.5°	618.2	614.0	622.2	619.7	609.0
20°	444.7	445.8	461.4	453.6	444.1
22.5°	324.5	328.5	347.0	326.8	319.4
25°	216.1	224.2	243.7	218.5	211.6
27.5°	132.9	136.6	156.3	131.2	127.4
30°	82.7	80.8	90.1	77.3	72.0
32.5°	54.2	51.8	54.8	49.2	45.0
35°	36.3	37.0	34.7	34.5	29.1
37.5°	22.6	26.1	23.0	24.5	18.7
40°	14.6	18.9	16.3	18.0	13.8
42.5°	12.0	14.6	13.4	14.2	12.3
45°	9.5	11.8	11.8	11.8	9.6
47.5°	5.3	7.9	10.1	8.1	5.6
50°	3.0	4.0	7.8	4.2	3.1
52.5°	2.0	2.3	5.4	2.4	2.1
55°	1.5	1.6	2.9	1.7	1.6
57.5°	1.2	1.3	1.5	1.3	1.2
60°	0.9	0.9	1.1	1.0	0.9
62.5°	0.7	0.7	0.8	0.7	0.7
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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)