

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: P787098

Luminaire Tested: LER6D02D010-EC6DR300210IC9035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787098
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-EC6DR300210IC9035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 581.8 lumens
Efficiency: N/A
Efficacy: 114.1 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

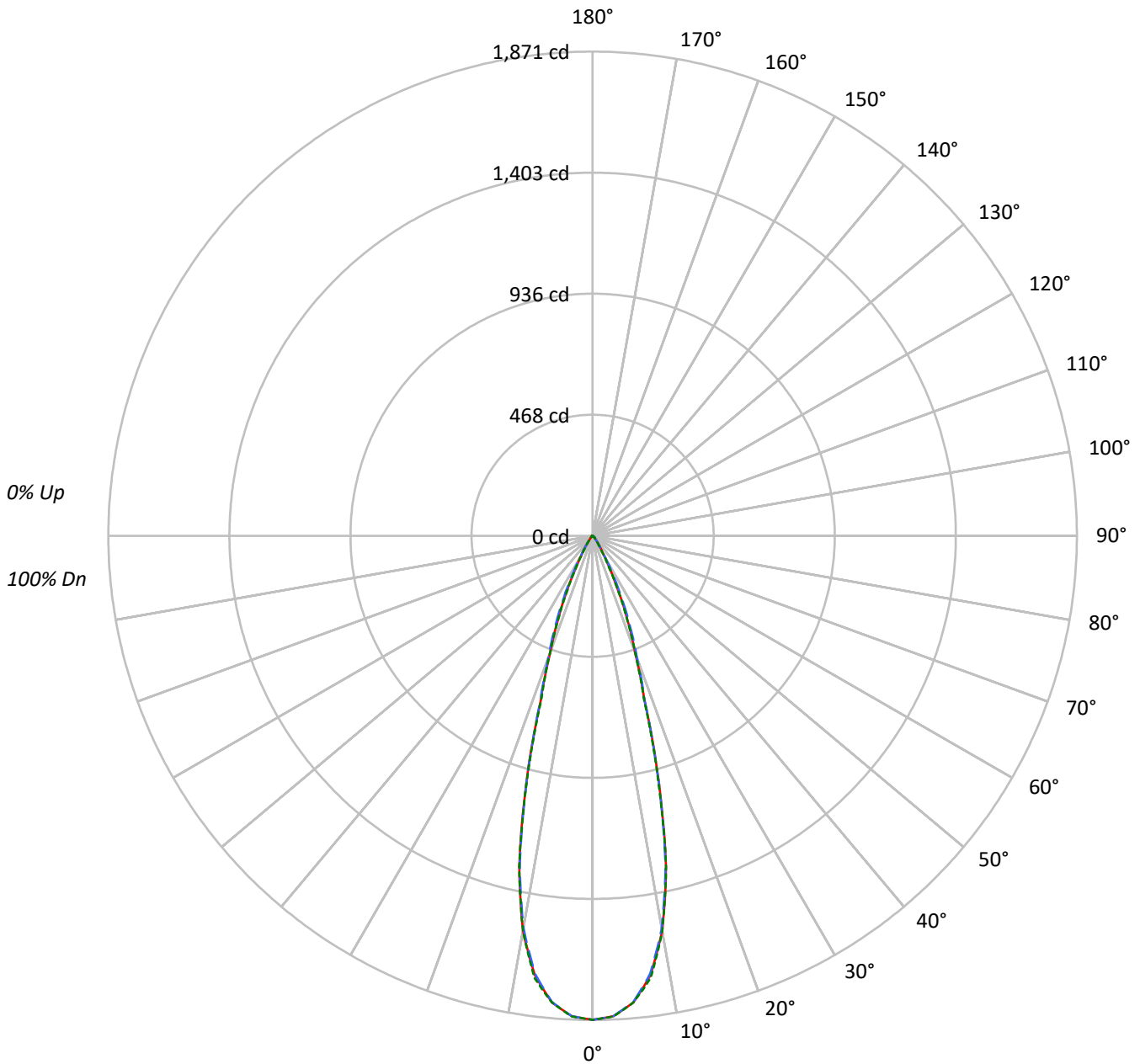


Downlight

TEST NUMBER: P787098

CATALOG NUMBER: LER6D02D010-EC6DR300210IC9035-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P787098

CATALOG NUMBER: LER6D02D010-EC6DR300210IC9035-6LBDP1MW

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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	143182	143182	143182
5°	139073	138911	139080
10°	120457	119610	120434
15°	78594	78174	77778
20°	39082	40549	39025
25°	19687	22204	19281
30°	7884	8591	6867
35°	3654	3504	2934
40°	1579	1749	1489
45°	1115	1386	1126
50°	381	1000	405
55°	227	414	227
60°	153	184	153
65°	109	109	109
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: 1386 cd/sqm



TEST NUMBER: P787098

CATALOG NUMBER: LER6D02D010-EC6DR300210IC9035-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.5	28.3
10°-20°	264.9	45.5
20°-30°	114.5	19.7
30°-40°	26.1	4.5
40°-50°	9.0	1.5
50°-60°	2.2	0.4
60°-70°	0.6	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°	543.9	93.5
0°-40°	570.0	98.0
0°-60°	581.1	99.9
0°-90°	581.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1871	1871	1871	1871	1871	
5°	1810	1808	1808	1812	1810	165
15°	992	980	986	983	982	266
25°	233	242	263	236	228	112
35°	39	40	38	37	31	27
45°	10	13	13	13	10	7
55°	2	2	3	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P787098

CATALOG NUMBER: LER6D02D010-EC6DR300210IC9035-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1870.6	1870.6	1870.6	1870.6	1870.6
2.5°	1858.2	1857.0	1857.7	1858.6	1859.0
5°	1810.0	1808.3	1807.9	1811.7	1810.1
7.5°	1712.8	1710.3	1706.5	1715.1	1723.0
10°	1549.8	1547.1	1538.9	1542.9	1549.5
12.5°	1309.3	1300.4	1300.2	1313.1	1311.3
15°	991.8	979.9	986.5	983.3	981.5
17.5°	667.0	662.4	671.2	668.5	657.0
20°	479.8	481.0	497.8	489.3	479.1
22.5°	350.1	354.4	374.3	352.6	344.6
25°	233.1	241.9	262.9	235.8	228.3
27.5°	143.4	147.4	168.6	141.5	137.5
30°	89.2	87.2	97.2	83.4	77.7
32.5°	58.5	55.9	59.1	53.1	48.5
35°	39.1	40.0	37.5	37.2	31.4
37.5°	24.4	28.1	24.8	26.5	20.2
40°	15.8	20.4	17.5	19.4	14.9
42.5°	12.9	15.7	14.4	15.3	13.2
45°	10.3	12.8	12.8	12.8	10.4
47.5°	5.7	8.5	10.9	8.7	6.1
50°	3.2	4.3	8.4	4.5	3.4
52.5°	2.2	2.5	5.8	2.6	2.3
55°	1.7	1.7	3.1	1.8	1.7
57.5°	1.3	1.4	1.7	1.4	1.3
60°	1.0	1.0	1.2	1.1	1.0
62.5°	0.7	0.7	0.8	0.7	0.7
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.3	0.4	0.4	0.4	0.4
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)