

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: P794226

Luminaire Tested: LER6D60D010-EC6DR3055659030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794226
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: LER6D60D010-EC6DR3055659030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6237.1 lumens
Efficiency: N/A
Efficacy: 96.8 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

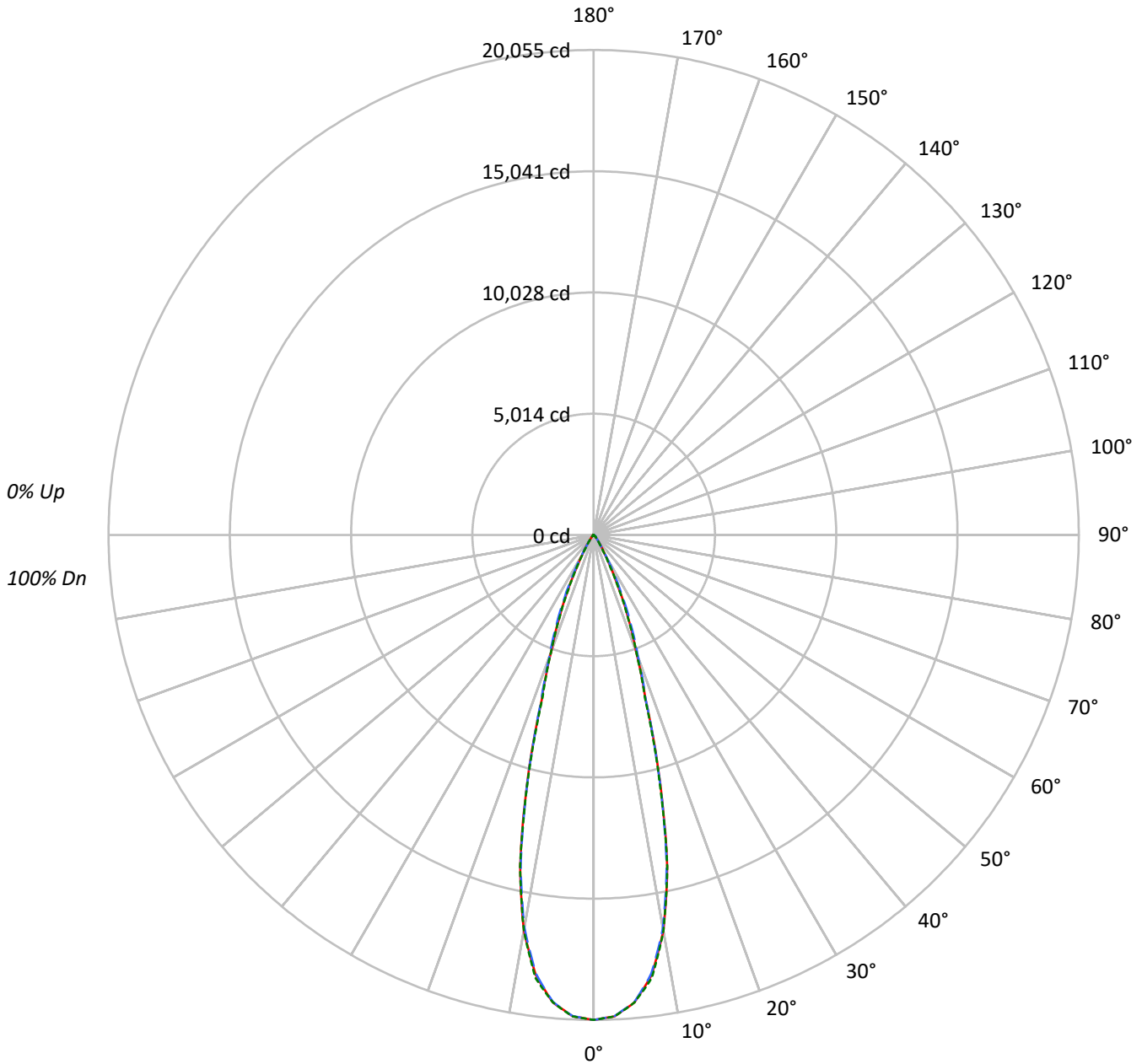
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P794226
CATALOG NUMBER: LER6D60D010-EC6DR3055659030-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P794226

CATALOG NUMBER: LER6D60D010-EC6DR3055659030-6LBDP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20										
RC	80					70					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								
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°	1535108	1535108	1535108
5°	1491037	1489300	1491114
10°	1291465	1282356	1291154
15°	842613	838088	833880
20°	418992	434713	418430
25°	211056	238006	206732
30°	84505	92079	73624
35°	39199	37536	31471
40°	16927	18795	15937
45°	11940	14819	12048
50°	4108	10789	4335
55°	2362	4471	2496
60°	1653	1960	1653
65°	1069	1069	1069
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14819 cd/sqm



TEST NUMBER: P794226

CATALOG NUMBER: LER6D60D010-EC6DR3055659030-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1763.6	28.3
10°-20°	2840.2	45.5
20°-30°	1227.3	19.7
30°-40°	279.7	4.5
40°-50°	96.1	1.5
50°-60°	23.5	0.4
60°-70°	6.1	0.1
70°-80°	0.7	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°	5831.1	93.5
0°-40°	6110.9	98.0
0°-60°	6230.4	99.9
0°-90°	6237.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6237.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20055	20055	20055	20055	20055	
5°	19406	19387	19383	19423	19406	1765
15°	10633	10505	10576	10542	10523	2847
25°	2499	2594	2818	2528	2448	1196
35°	420	428	402	399	337	285
45°	110	137	137	137	111	78
55°	18	19	34	20	19	17
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P794226

CATALOG NUMBER: LER6D60D010-EC6DR3055659030-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20055.4	20055.4	20055.4	20055.4	20055.4
2.5°	19922.4	19908.7	19916.5	19926.4	19930.3
5°	19405.5	19386.8	19382.9	19423.2	19406.5
7.5°	18362.8	18336.2	18295.8	18387.4	18473.0
10°	16616.0	16586.4	16498.8	16542.1	16612.0
12.5°	14037.2	13941.7	13939.7	14077.6	14058.8
15°	10633.2	10505.2	10576.1	10541.7	10523.0
17.5°	7150.5	7101.3	7195.8	7167.3	7044.2
20°	5143.8	5156.6	5336.8	5246.2	5136.9
22.5°	3753.5	3799.8	4013.4	3780.1	3694.4
25°	2499.0	2593.6	2818.1	2527.6	2447.8
27.5°	1537.0	1580.4	1807.8	1517.3	1474.0
30°	956.1	934.4	1041.8	894.1	833.0
32.5°	627.2	599.7	634.1	569.1	519.9
35°	419.5	428.3	401.7	398.8	336.8
37.5°	261.9	301.3	265.9	283.6	216.6
40°	169.4	218.6	188.1	207.8	159.5
42.5°	138.8	168.4	154.6	164.4	141.8
45°	110.3	136.9	136.9	136.9	111.3
47.5°	61.0	91.6	117.2	93.5	65.0
50°	34.5	46.3	90.6	48.2	36.4
52.5°	23.6	26.6	62.0	27.6	24.6
55°	17.7	18.7	33.5	19.7	18.7
57.5°	13.8	14.8	17.7	14.8	13.8
60°	10.8	10.8	12.8	11.8	10.8
62.5°	7.9	7.9	8.9	7.9	7.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	3.0	3.9	3.9	3.9	3.9
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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)