

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P791370

Luminaire Tested: LER6D30D010-EC6DR3020359050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791370
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: LER6D30D010-EC6DR3020359050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5194.8 lumens
Efficiency: N/A
Efficacy: 179.1 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

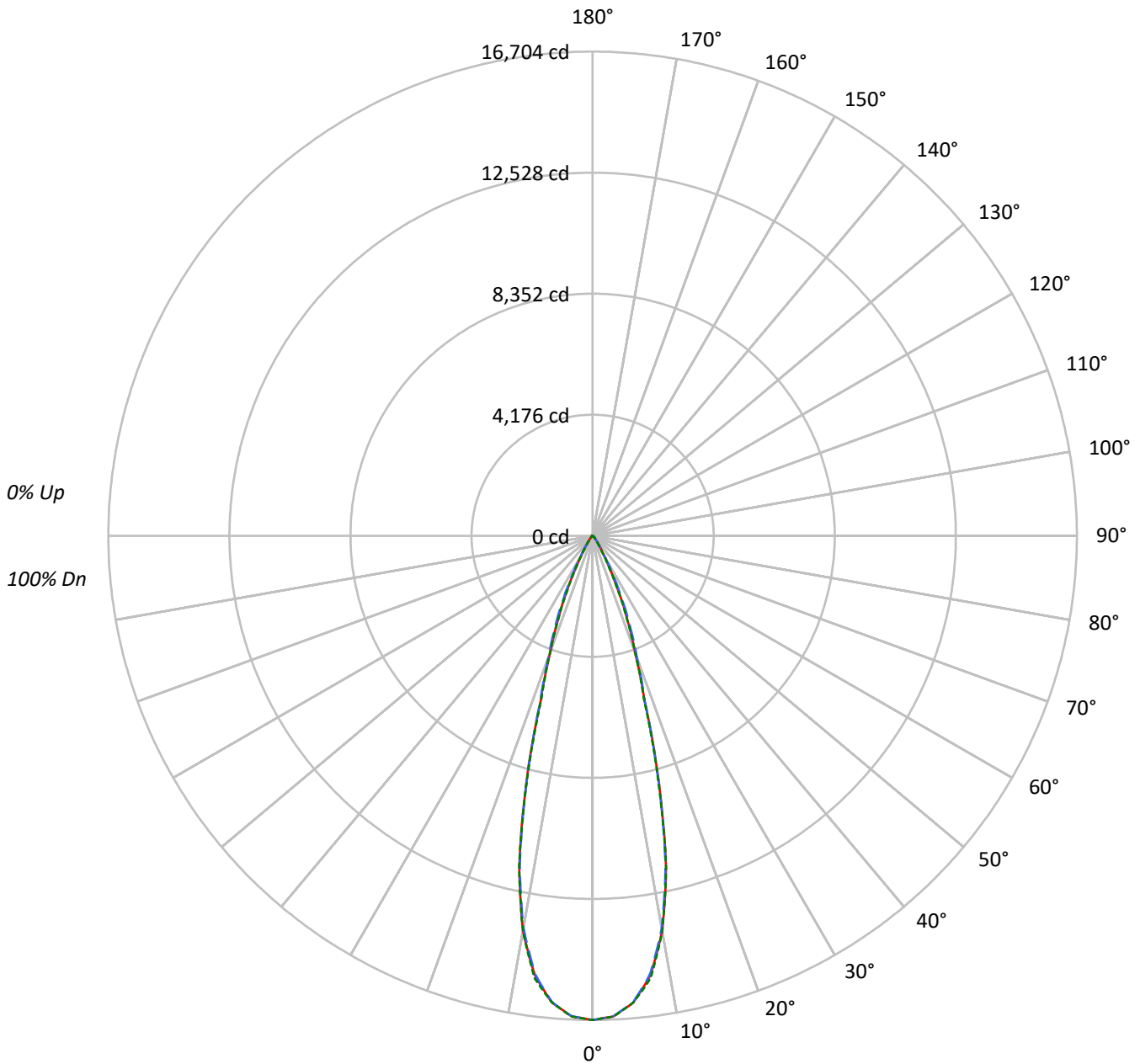
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P791370
CATALOG NUMBER: LER6D30D010-EC6DR3020359050-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P791370

CATALOG NUMBER: LER6D30D010-EC6DR3020359050-6LBDP1MW

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	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°	1278573	1278573	1278573
5°	1241866	1240421	1241927
10°	1075649	1068063	1075392
15°	701805	698033	694530
20°	348973	362071	348509
25°	175787	198227	172189
30°	70381	76691	61321
35°	32649	31266	26211
40°	14099	15648	13279
45°	9948	12340	10035
50°	3418	8979	3608
55°	1975	3723	2082
60°	1378	1638	1378
65°	887	887	887
70°	559	358	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12340 cd/sqm



TEST NUMBER: P791370

CATALOG NUMBER: LER6D30D010-EC6DR3020359050-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1468.9	28.3
10°-20°	2365.6	45.5
20°-30°	1022.2	19.7
30°-40°	233.0	4.5
40°-50°	80.0	1.5
50°-60°	19.5	0.4
60°-70°	5.1	0.1
70°-80°	0.5	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°	4856.7	93.5
0°-40°	5089.7	98.0
0°-60°	5189.2	99.9
0°-90°	5194.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5194.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16704	16704	16704	16704	16704	
5°	16163	16147	16144	16177	16163	1470
15°	8856	8750	8809	8780	8764	2371
25°	2081	2160	2347	2105	2039	996
35°	349	357	335	332	280	237
45°	92	114	114	114	93	65
55°	15	16	28	16	16	14
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P791370

CATALOG NUMBER: LER6D30D010-EC6DR3020359050-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16703.9	16703.9	16703.9	16703.9	16703.9
2.5°	16593.2	16581.7	16588.3	16596.5	16599.7
5°	16162.6	16147.0	16143.8	16177.4	16163.4
7.5°	15294.1	15272.0	15238.4	15314.6	15386.0
10°	13839.3	13814.7	13741.7	13777.8	13836.0
12.5°	11691.4	11611.9	11610.2	11725.0	11709.4
15°	8856.3	8749.7	8808.7	8780.0	8764.5
17.5°	5955.6	5914.6	5993.3	5969.5	5867.0
20°	4284.2	4294.9	4445.0	4369.5	4278.5
22.5°	3126.2	3164.8	3342.7	3148.4	3077.0
25°	2081.4	2160.2	2347.1	2105.2	2038.8
27.5°	1280.2	1316.3	1505.7	1263.8	1227.7
30°	796.3	778.3	867.7	744.7	693.8
32.5°	522.4	499.4	528.1	474.0	433.0
35°	349.4	356.7	334.6	332.1	280.5
37.5°	218.1	251.0	221.4	236.2	180.4
40°	141.1	182.1	156.6	173.0	132.9
42.5°	115.6	140.2	128.8	137.0	118.1
45°	91.9	114.0	114.0	114.0	92.7
47.5°	50.8	76.3	97.6	77.9	54.1
50°	28.7	38.5	75.4	40.2	30.3
52.5°	19.7	22.1	51.7	23.0	20.5
55°	14.8	15.6	27.9	16.4	15.6
57.5°	11.5	12.3	14.8	12.3	11.5
60°	9.0	9.0	10.7	9.8	9.0
62.5°	6.6	6.6	7.4	6.6	6.6
65°	4.9	4.9	4.9	4.9	4.9
67.5°	2.5	3.3	3.3	3.3	3.3
70°	2.5	1.6	1.6	1.6	2.5
72.5°	1.6	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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)