

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: P791356

Luminaire Tested: LER6D30D010-EC6DR3020359035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791356
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-EC6DR3020359035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6036.2 lumens
Efficiency: N/A
Efficacy: 208.1 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

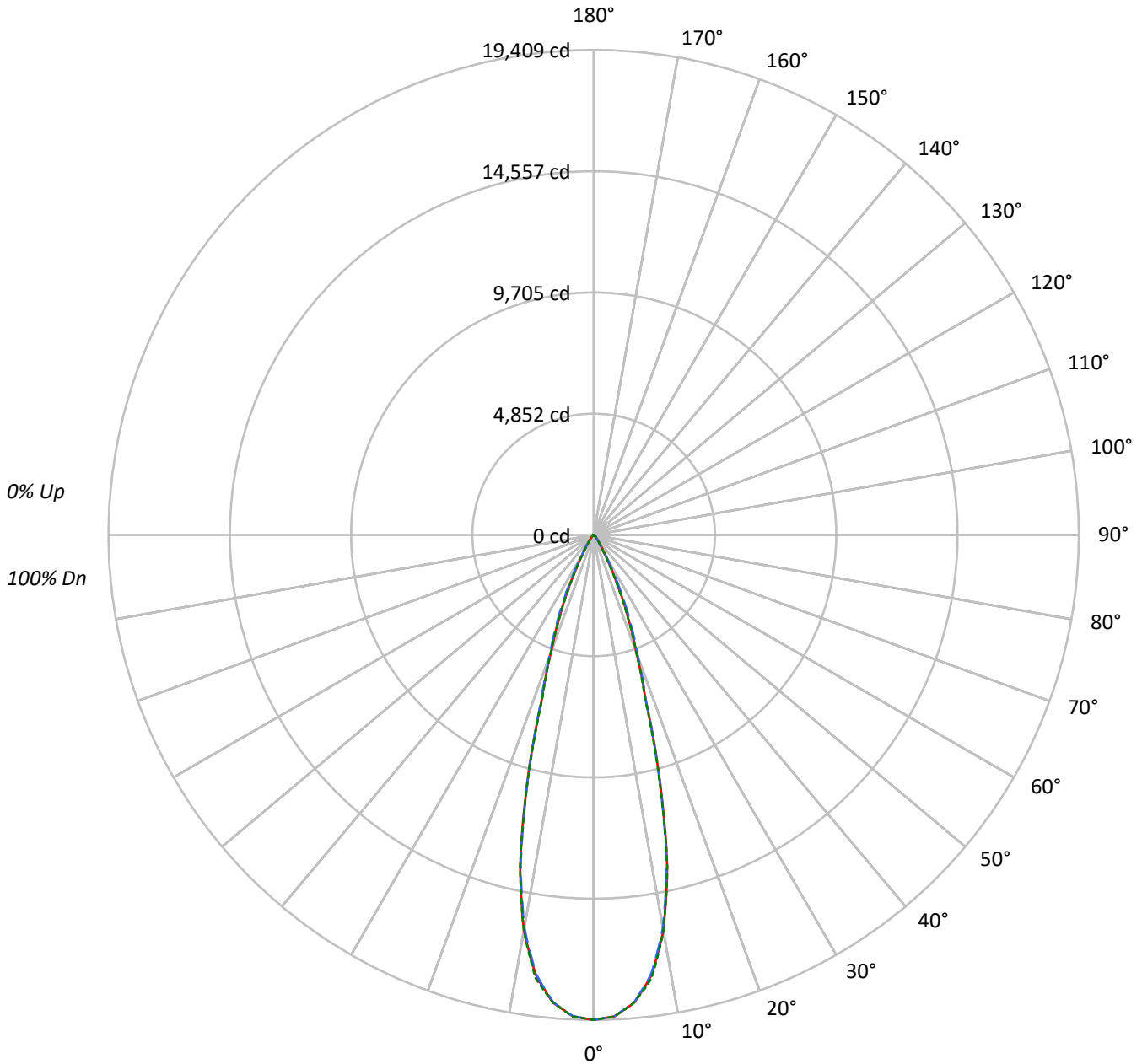
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P791356
CATALOG NUMBER: LER6D30D010-EC6DR3020359035-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P791356

CATALOG NUMBER: LER6D30D010-EC6DR3020359035-6LBS1H

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																			
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°	1485646	1485646	1485646
5°	1442999	1441316	1443068
10°	1249860	1241046	1249556
15°	815472	811089	807008
20°	405495	420711	404949
25°	204258	230338	200077
30°	81782	89109	71256
35°	37928	36330	30453
40°	16377	18185	15428
45°	11550	14343	11658
50°	3977	10443	4204
55°	2295	4324	2415
60°	1607	1898	1607
65°	1032	1032	1032
70°	649	425	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14343 cd/sqm



TEST NUMBER: P791356

CATALOG NUMBER: LER6D30D010-EC6DR3020359035-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1706.7	28.3
10°-20°	2748.7	45.5
20°-30°	1187.8	19.7
30°-40°	270.7	4.5
40°-50°	93.0	1.5
50°-60°	22.7	0.4
60°-70°	5.9	0.1
70°-80°	0.6	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°	5643.3	93.5
0°-40°	5914.0	98.0
0°-60°	6029.7	99.9
0°-90°	6036.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6036.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19409	19409	19409	19409	19409	
5°	18780	18762	18758	18797	18781	1708
15°	10291	10167	10235	10202	10184	2755
25°	2418	2510	2727	2446	2369	1158
35°	406	414	389	386	326	275
45°	107	132	132	132	108	76
55°	17	18	32	19	18	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: P791356

CATALOG NUMBER: LER6D30D010-EC6DR3020359035-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19409.2	19409.2	19409.2	19409.2	19409.2
2.5°	19280.6	19267.2	19274.9	19284.4	19288.2
5°	18780.3	18762.2	18758.4	18797.4	18781.2
7.5°	17771.1	17745.4	17706.3	17795.0	17877.9
10°	16080.7	16052.1	15967.3	16009.2	16076.8
12.5°	13584.9	13492.5	13490.6	13624.0	13605.9
15°	10290.7	10166.8	10235.4	10202.0	10183.9
17.5°	6920.2	6872.5	6964.0	6936.4	6817.2
20°	4978.1	4990.5	5164.9	5077.2	4971.4
22.5°	3632.6	3677.3	3884.1	3658.3	3575.4
25°	2418.5	2510.0	2727.3	2446.2	2369.0
27.5°	1487.5	1529.4	1749.6	1468.5	1426.5
30°	925.3	904.3	1008.2	865.3	806.2
32.5°	607.0	580.3	613.7	550.8	503.1
35°	405.9	414.5	388.8	385.9	325.9
37.5°	253.5	291.6	257.3	274.4	209.6
40°	163.9	211.5	182.0	201.1	154.4
42.5°	134.4	163.0	149.6	159.1	137.2
45°	106.7	132.5	132.5	132.5	107.7
47.5°	59.1	88.6	113.4	90.5	62.9
50°	33.4	44.8	87.7	46.7	35.3
52.5°	22.9	25.7	60.0	26.7	23.8
55°	17.2	18.1	32.4	19.1	18.1
57.5°	13.3	14.3	17.2	14.3	13.3
60°	10.5	10.5	12.4	11.4	10.5
62.5°	7.6	7.6	8.6	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.9	3.8	3.8	3.8	3.8
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	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)