

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: P768753

Luminaire Tested: LD6D60D010-EU6DR3055659035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768753
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: LD6D60D010-EU6DR3055659035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 7418.8 lumens
Efficiency: N/A
Efficacy: 115.2 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

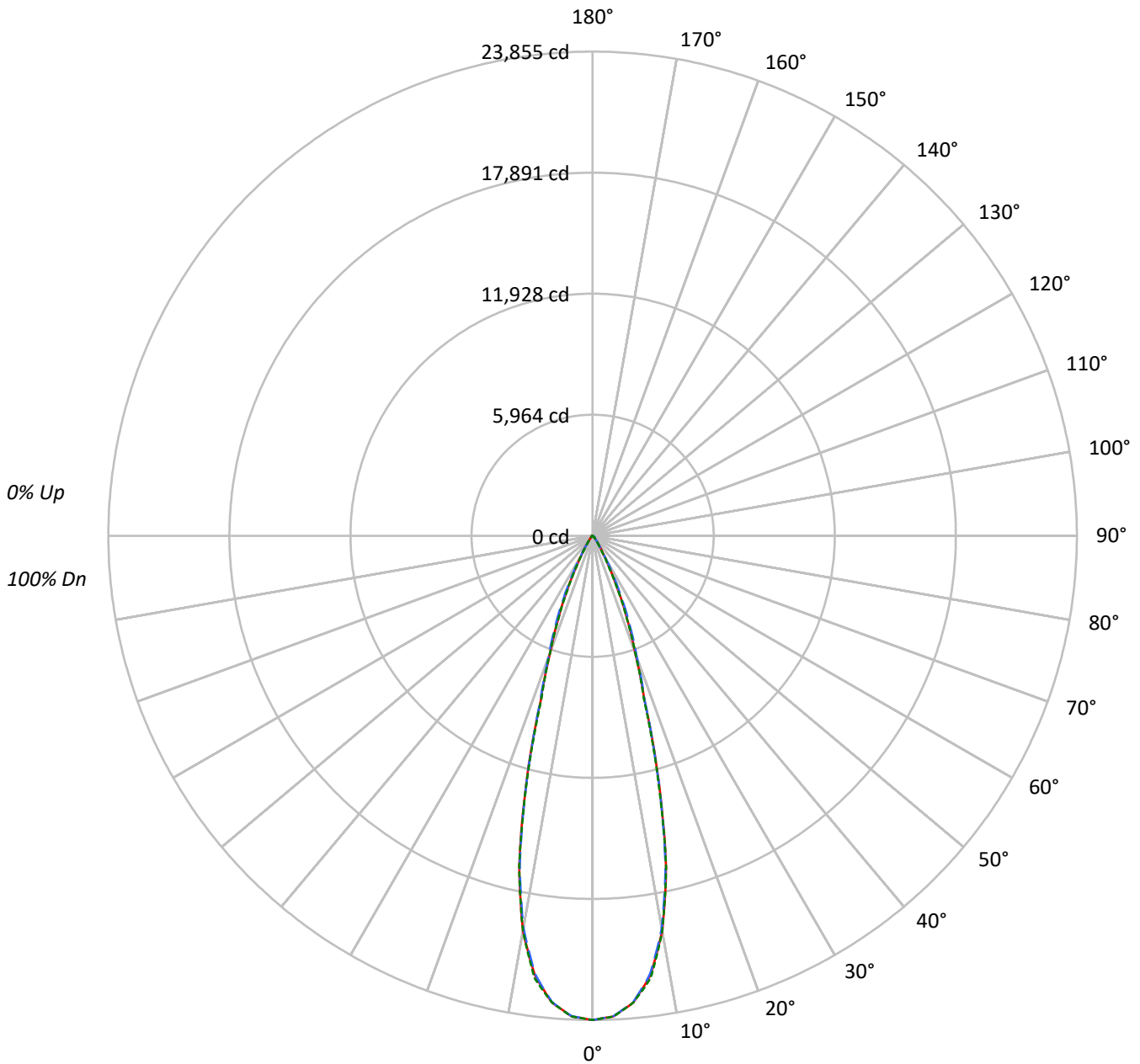
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P768753
CATALOG NUMBER: LD6D60D010-EU6DR3055659035-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P768753

CATALOG NUMBER: LD6D60D010-EU6DR3055659035-6LBDP1LI

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°	1825935	1825935	1825935
5°	1773523	1771449	1773608
10°	1536141	1525306	1535776
15°	1002257	996868	991860
20°	498371	517073	497703
25°	251046	283097	245903
30°	100511	109517	87572
35°	46618	44647	37424
40°	20124	22352	18955
45°	14202	17623	14321
50°	4882	12837	5156
55°	2816	5311	2976
60°	1975	2327	1975
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17623 cd/sqm



TEST NUMBER: P768753

CATALOG NUMBER: LD6D60D010-EU6DR3055659035-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2097.7	28.3
10°-20°	3378.3	45.5
20°-30°	1459.9	19.7
30°-40°	332.7	4.5
40°-50°	114.3	1.5
50°-60°	27.9	0.4
60°-70°	7.2	0.1
70°-80°	0.8	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°	6935.9	93.5
0°-40°	7268.6	98.0
0°-60°	7410.8	99.9
0°-90°	7418.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7418.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23855	23855	23855	23855	23855	
5°	23082	23060	23055	23103	23083	2099
15°	12648	12496	12580	12539	12517	3387
25°	2972	3085	3352	3006	2912	1423
35°	499	510	478	474	400	338
45°	131	163	163	163	132	93
55°	21	22	40	23	22	21
65°	7	7	7	7	7	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P768753

CATALOG NUMBER: LD6D60D010-EU6DR3055659035-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	23854.9	23854.9	23854.9	23854.9	23854.9
2.5°	23696.8	23680.4	23689.8	23701.5	23706.2
5°	23082.0	23059.7	23055.0	23103.0	23083.1
7.5°	21841.7	21810.0	21762.0	21870.9	21972.8
10°	19764.0	19728.8	19624.6	19676.1	19759.3
12.5°	16696.6	16583.0	16580.6	16744.6	16722.4
15°	12647.8	12495.5	12579.8	12538.8	12516.6
17.5°	8505.2	8446.7	8559.1	8525.1	8378.7
20°	6118.3	6133.6	6347.9	6240.1	6110.1
22.5°	4464.6	4519.7	4773.8	4496.2	4394.3
25°	2972.5	3084.9	3352.0	3006.5	2911.6
27.5°	1828.2	1879.8	2150.3	1804.8	1753.3
30°	1137.2	1111.5	1239.1	1063.4	990.8
32.5°	746.1	713.3	754.3	677.0	618.4
35°	498.9	509.5	477.8	474.3	400.5
37.5°	311.5	358.4	316.2	337.3	257.7
40°	201.4	260.0	223.7	247.1	189.7
42.5°	165.1	200.3	183.9	195.6	168.7
45°	131.2	162.8	162.8	162.8	132.3
47.5°	72.6	108.9	139.4	111.3	77.3
50°	41.0	55.0	107.8	57.4	43.3
52.5°	28.1	31.6	73.8	32.8	29.3
55°	21.1	22.3	39.8	23.4	22.3
57.5°	16.4	17.6	21.1	17.6	16.4
60°	12.9	12.9	15.2	14.1	12.9
62.5°	9.4	9.4	10.5	9.4	9.4
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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)