

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: P773411

Luminaire Tested: LD6D90BD010-EU6DR3070959027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773411
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: LD6D90BD010-EU6DR3070959027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11435.9 lumens
Efficiency: N/A
Efficacy: 115.6 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): 98.9
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

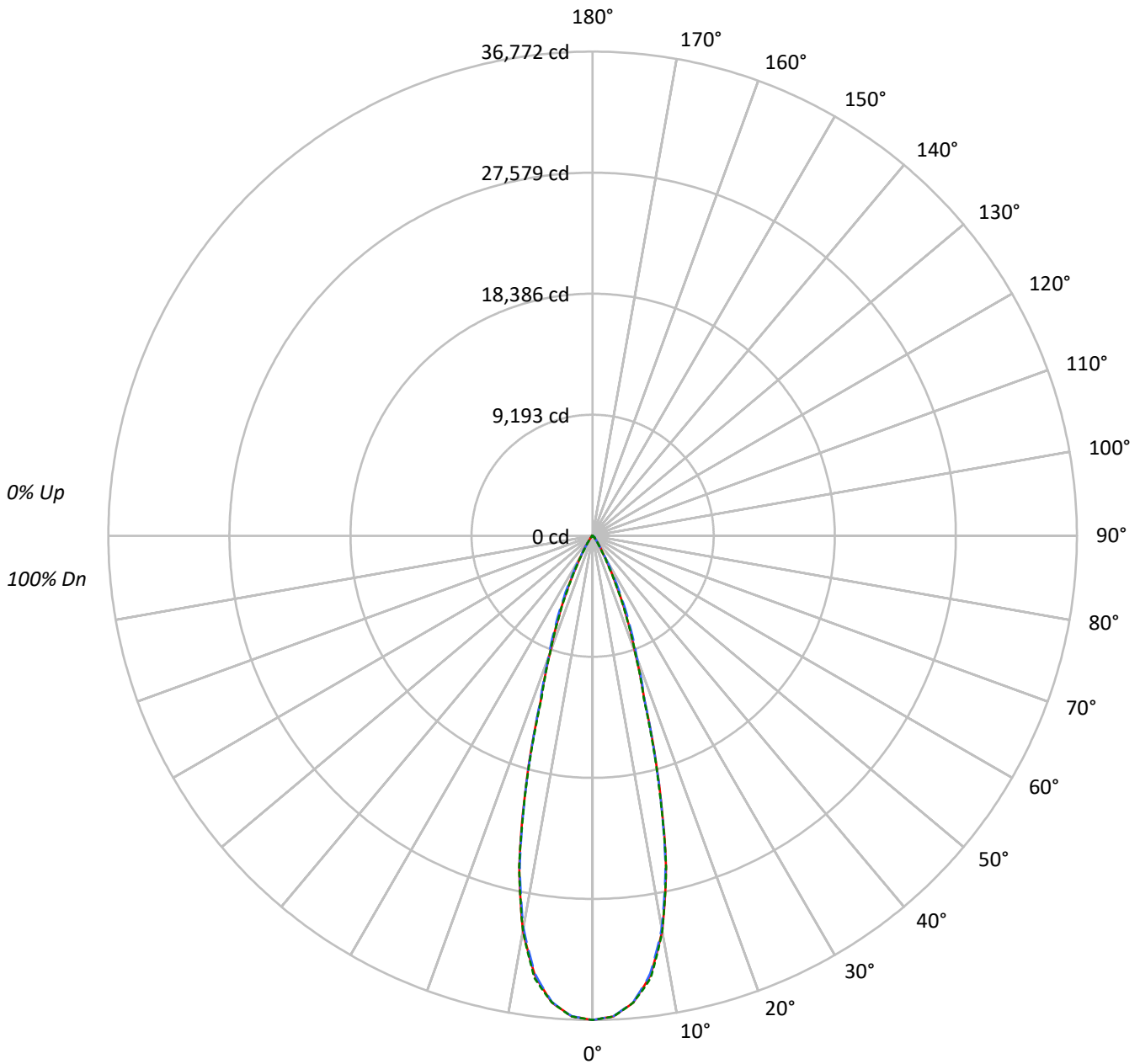


Downlight

TEST NUMBER: P773411

CATALOG NUMBER: LD6D90BD010-EU6DR3070959027-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P773411

CATALOG NUMBER: LD6D90BD010-EU6DR3070959027-6LBS1LI

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°	2814669	2814669	2814669
5°	2733863	2730674	2734001
10°	2367946	2351243	2367378
15°	1544964	1536667	1528941
20°	768242	797061	767208
25°	386987	436386	379057
30°	154938	168824	134999
35°	71866	68830	57691
40°	31025	34453	29227
45°	21888	27160	22083
50°	7526	19779	7955
55°	4337	8194	4577
60°	3046	3598	3046
65°	1956	1956	1956
70°	1209	806	1209
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 27160 cd/sqm



TEST NUMBER: P773411

CATALOG NUMBER: LD6D90BD010-EU6DR3070959027-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3233.6	28.3
10°-20°	5207.7	45.5
20°-30°	2250.4	19.7
30°-40°	512.9	4.5
40°-50°	176.1	1.5
50°-60°	43.0	0.4
60°-70°	11.1	0.1
70°-80°	1.2	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°	10691.6	93.5
0°-40°	11204.5	98.0
0°-60°	11423.6	99.9
0°-90°	11435.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11435.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36772	36772	36772	36772	36772	
5°	35581	35546	35539	35613	35582	3236
15°	19496	19262	19392	19328	19294	5220
25°	4582	4755	5167	4634	4488	2193
35°	769	785	737	731	617	522
45°	202	251	251	251	204	144
55°	32	34	61	36	34	32
65°	11	11	11	11	11	11
75°	0	0	2	0	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P773411

CATALOG NUMBER: LD6D90BD010-EU6DR3070959027-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	36772.2	36772.2	36772.2	36772.2	36772.2
2.5°	36528.4	36503.2	36517.6	36535.7	36542.9
5°	35580.6	35546.3	35539.1	35613.1	35582.4
7.5°	33668.7	33620.0	33545.9	33713.8	33870.9
10°	30466.0	30411.8	30251.1	30330.5	30458.7
12.5°	25737.6	25562.5	25558.9	25811.7	25777.4
15°	19496.4	19261.7	19391.7	19328.5	19294.2
17.5°	13110.7	13020.5	13193.8	13141.4	12915.8
20°	9431.4	9454.8	9785.2	9619.1	9418.7
22.5°	6882.1	6967.0	7358.8	6930.9	6773.8
25°	4582.1	4755.4	5167.0	4634.4	4488.2
27.5°	2818.2	2897.7	3314.7	2782.1	2702.7
30°	1753.0	1713.3	1910.1	1639.3	1527.4
32.5°	1150.0	1099.5	1162.7	1043.5	953.2
35°	769.1	785.3	736.6	731.2	617.4
37.5°	480.2	552.4	487.5	520.0	397.2
40°	310.5	400.8	344.8	380.9	292.5
42.5°	254.6	308.7	283.4	301.5	260.0
45°	202.2	250.9	250.9	250.9	204.0
47.5°	111.9	167.9	214.8	171.5	119.2
50°	63.2	84.9	166.1	88.5	66.8
52.5°	43.3	48.7	113.7	50.6	45.1
55°	32.5	34.3	61.4	36.1	34.3
57.5°	25.3	27.1	32.5	27.1	25.3
60°	19.9	19.9	23.5	21.7	19.9
62.5°	14.4	14.4	16.2	14.4	14.4
65°	10.8	10.8	10.8	10.8	10.8
67.5°	5.4	7.2	7.2	7.2	7.2
70°	5.4	3.6	3.6	3.6	5.4
72.5°	3.6	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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)