

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: P772410

Luminaire Tested: LD6D80BD010-EU6DR6570959030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772410
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR6570959030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9360.7 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

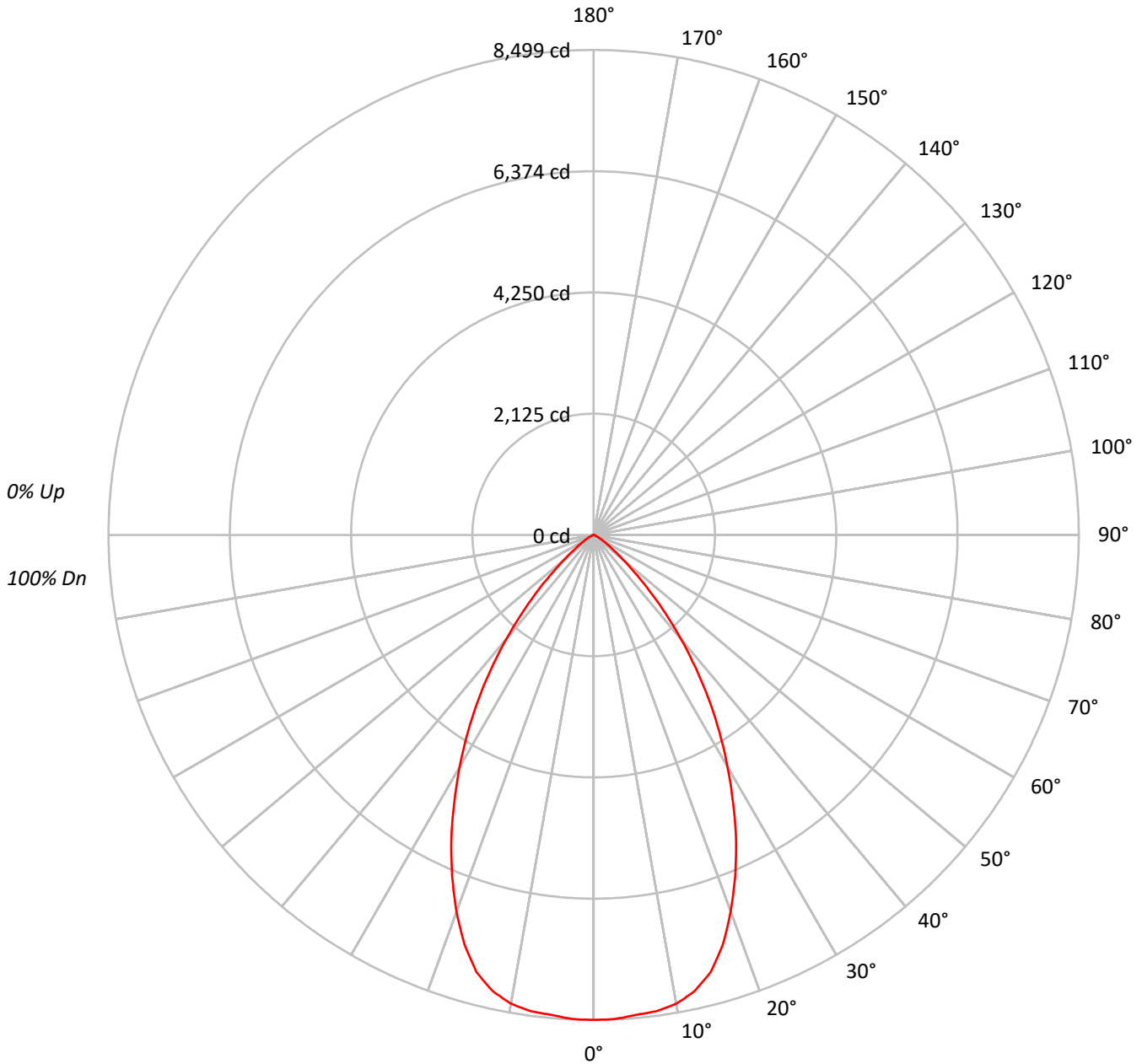
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P772410
CATALOG NUMBER: LD6D80BD010-EU6DR6570959030-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P772410

CATALOG NUMBER: LD6D80BD010-EU6DR6570959030-6LBS1LI

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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	496392
5°	495140
10°	494715
15°	479462
20°	436494
25°	380379
30°	316370
35°	250677
40°	180927
45°	114304
50°	59577
55°	31667
60°	16633
65°	9149
70°	3842
75°	4220
80°	2926
85°	2479

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 114304 cd/sqm



TEST NUMBER: P772410

CATALOG NUMBER: LD6D80BD010-EU6DR6570959030-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	803.8	8.6
10°-20°	2201.0	23.5
20°-30°	2690.4	28.7
30°-40°	2182.9	23.3
40°-50°	1087.8	11.6
50°-60°	303.4	3.2
60°-70°	69.0	0.7
70°-80°	17.9	0.2
80°-90°	4.6	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°	5695.2	60.8
0°-40°	7878.1	84.2
0°-60°	9269.3	99.0
0°-90°	9360.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9360.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8499	
5°	8446	804
15°	7930	2201
25°	5903	2690
35°	3516	2183
45°	1384	1088
55°	311	303
65°	66	69
75°	19	18
85°	4	5
90°	0	



TEST NUMBER: P772410

CATALOG NUMBER: LD6D80BD010-EU6DR6570959030-6LBS1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	8499.3
2.5°	8493.0
5°	8445.6
7.5°	8418.1
10°	8341.9
12.5°	8187.0
15°	7929.7
17.5°	7527.6
20°	7023.0
22.5°	6478.4
25°	5902.7
27.5°	5286.9
30°	4691.2
32.5°	4102.9
35°	3515.9
37.5°	2930.1
40°	2373.1
42.5°	1851.0
45°	1383.9
47.5°	964.2
50°	655.7
52.5°	452.1
55°	311.0
57.5°	209.8
60°	142.4
62.5°	98.7
65°	66.2
67.5°	33.7
70°	22.5
72.5°	21.2
75°	18.7
77.5°	12.5
80°	8.7
82.5°	6.2
85°	3.7
87.5°	2.5
90°	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



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

Scaled Data Report



— 0°-180°

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)