

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: P773862

Luminaire Tested: LD6D90BD010-EU6DR6070959024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR6070959024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9849.0 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' 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

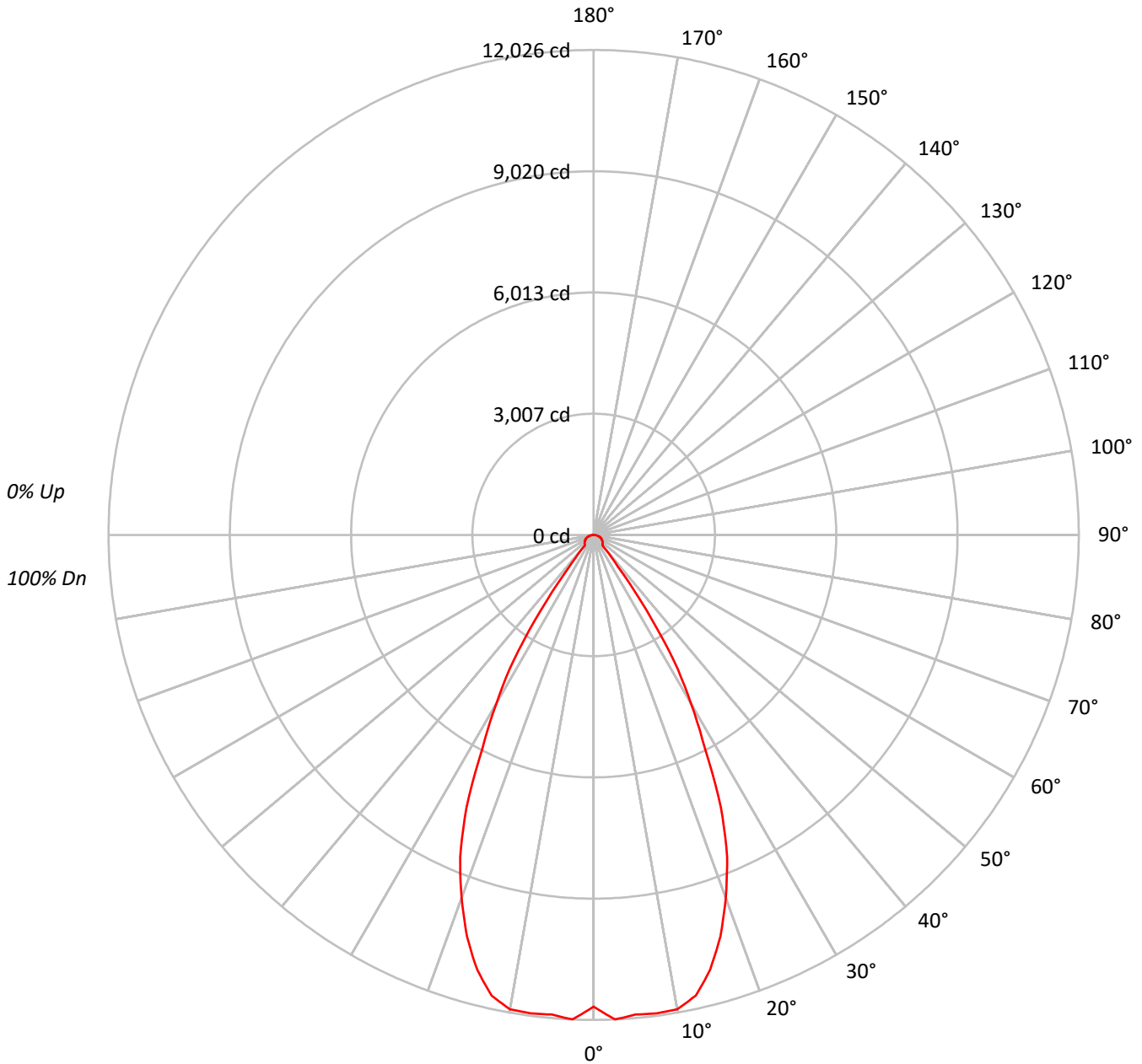


Downlight

TEST NUMBER: P773862

CATALOG NUMBER: LD6D90BD010-EU6DR6070959024-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P773862

CATALOG NUMBER: LD6D90BD010-EU6DR6070959024-6LBDP1LI

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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1278023
5°	1309447
10°	1325264
15°	1262500
20°	1113127
25°	900336
30°	609004
35°	305166
40°	49507
45°	48457
50°	49430
55°	50156
60°	51549
65°	52741
70°	53988
75°	54626
80°	52665
85°	43877

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 54626 cd/sqm



TEST NUMBER: P773862

CATALOG NUMBER: LD6D90BD010-EU6DR6070959024-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1141.1	11.6
10°-20°	3087.2	31.3
20°-30°	3321.6	33.7
30°-40°	1443.8	14.7
40°-50°	242.5	2.5
50°-60°	235.8	2.4
60°-70°	201.7	2.0
70°-80°	135.0	1.4
80°-90°	40.4	0.4
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°	7549.9	76.7
0°-40°	8993.8	91.3
0°-60°	9472.0	96.2
0°-90°	9849.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9849.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11697	
5°	11939	###
15°	11161	3087
25°	7468	3322
35°	2288	1444
45°	314	243
55°	263	236
65°	204	202
75°	129	135
85°	35	40
90°	0	



TEST NUMBER: P773862

CATALOG NUMBER: LD6D90BD010-EU6DR6070959024-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	11697.0
2.5°	12025.8
5°	11939.0
7.5°	11966.4
10°	11945.1
12.5°	11698.5
15°	11161.2
17.5°	10439.6
20°	9573.4
22.5°	8646.4
25°	7468.2
27.5°	5973.3
30°	4827.1
32.5°	3720.4
35°	2287.9
37.5°	978.8
40°	347.1
42.5°	319.7
45°	313.6
47.5°	302.9
50°	290.8
52.5°	277.0
55°	263.3
57.5°	249.6
60°	235.9
62.5°	220.7
65°	204.0
67.5°	187.2
70°	169.0
72.5°	149.2
75°	129.4
77.5°	106.6
80°	83.7
82.5°	59.4
85°	35.0
87.5°	12.2
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)