

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: P773241

Luminaire Tested: LD6D85BD010-EU6DR7070959024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR7070959024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9368.3 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

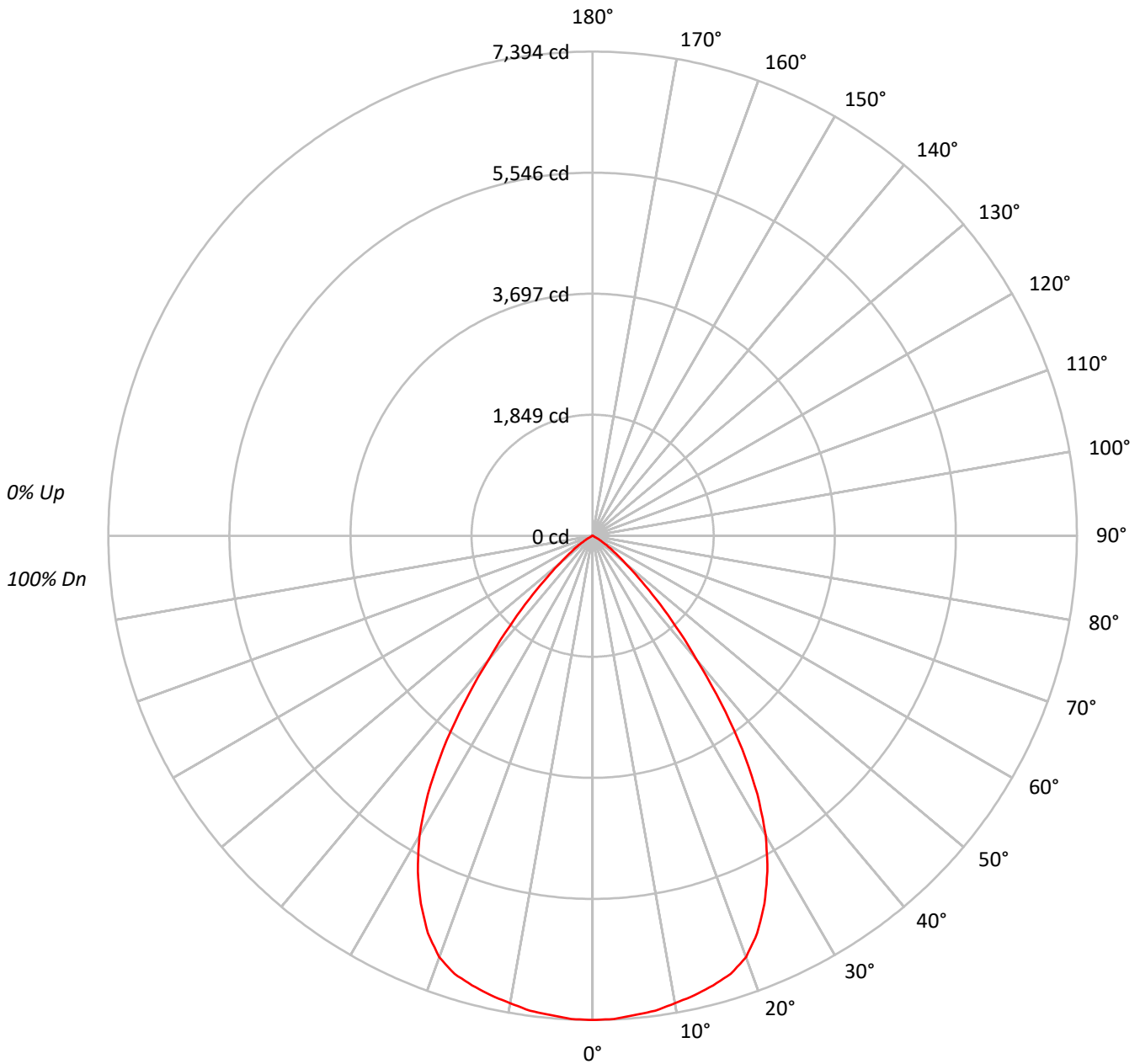
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P773241
CATALOG NUMBER: LD6D85BD010-EU6DR7070959024-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P773241

CATALOG NUMBER: LD6D85BD010-EU6DR7070959024-6LBS1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78			78
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71			71
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65			65
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60			60
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56			56
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			51
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48			48
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44			44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	807907
5°	805882
10°	804139
15°	803920
20°	796062
25°	747796
30°	666660
35°	531530
40°	352937
45°	211010
50°	109399
55°	57490
60°	20344
65°	336
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 211010 cd/sqm



TEST NUMBER: P773241

CATALOG NUMBER: LD6D85BD010-EU6DR7070959024-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	698.8	7.5
10°-20°	2004.1	21.4
20°-30°	2827.2	30.2
30°-40°	2440.6	26.1
40°-50°	1092.9	11.7
50°-60°	286.1	3.1
60°-70°	18.6	0.2
70°-80°	0.0	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°	5530.0	59.0
0°-40°	7970.6	85.1
0°-60°	9349.7	99.8
0°-90°	9368.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9368.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7394	
5°	7348	699
15°	7107	2004
25°	6203	2827
35°	3985	2441
45°	1366	1093
55°	302	286
65°	1	19
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P773241

CATALOG NUMBER: LD6D85BD010-EU6DR7070959024-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	7394.3
2.5°	7386.3
5°	7347.7
7.5°	7315.8
10°	7248.0
12.5°	7186.8
15°	7107.1
17.5°	7015.3
20°	6846.5
22.5°	6568.6
25°	6202.9
27.5°	5778.7
30°	5284.1
32.5°	4679.1
35°	3985.0
37.5°	3219.1
40°	2474.5
42.5°	1880.1
45°	1365.6
47.5°	941.4
50°	643.6
52.5°	444.1
55°	301.8
57.5°	182.2
60°	93.1
62.5°	29.3
65°	1.3
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)