

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: P773216

Luminaire Tested: LD6D85BD010-EU6DR6570959040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773216
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: LD6D85BD010-EU6DR6570959040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10540.9 lumens
Efficiency: N/A
Efficacy: 120.2 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

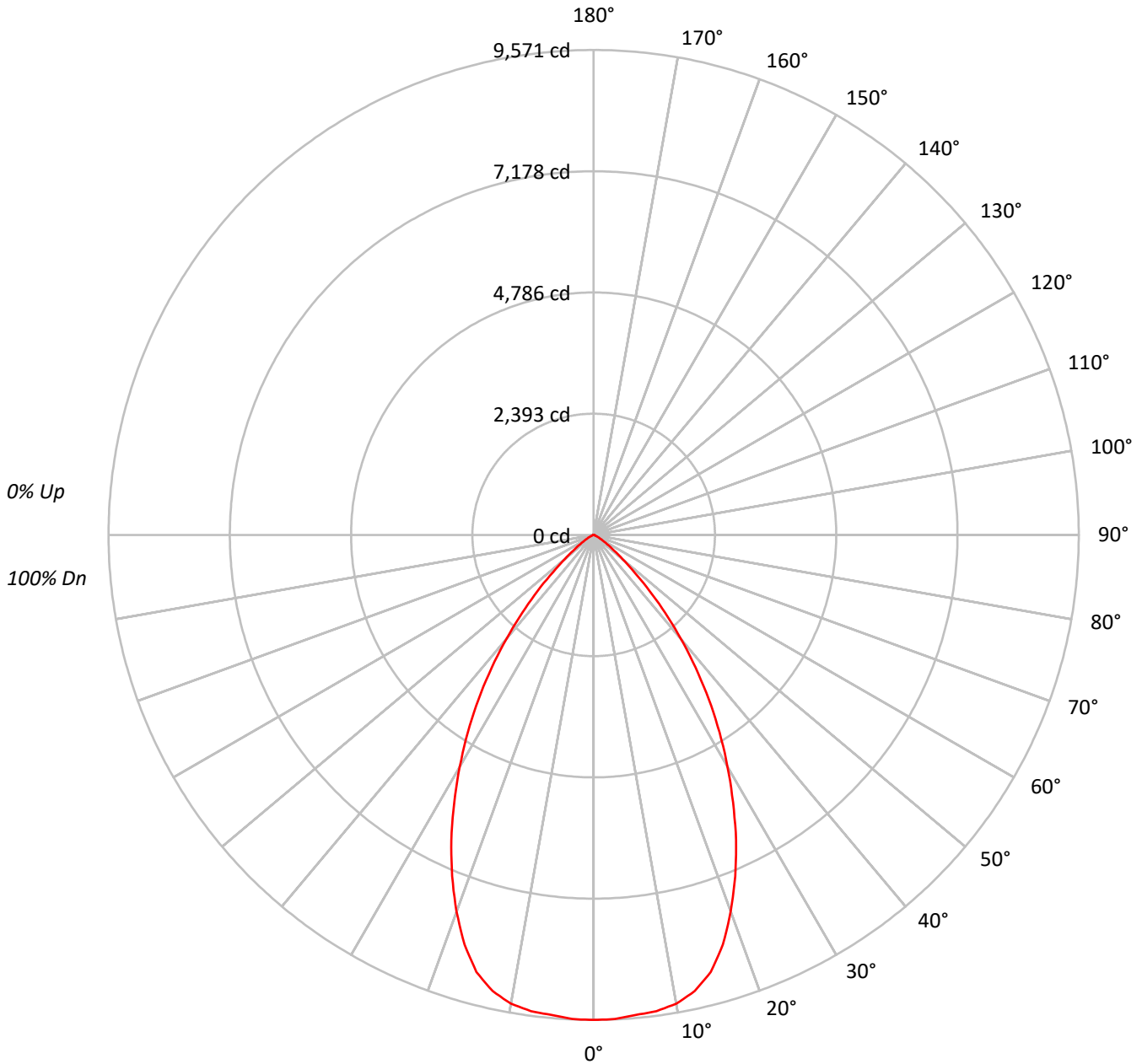
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P773216
CATALOG NUMBER: LD6D85BD010-EU6DR6570959040-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P773216

CATALOG NUMBER: LD6D85BD010-EU6DR6570959040-6LBS1LI

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			100																
1	113	110	107	105	111	108	105	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	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	558978
5°	557566
10°	557092
15°	539915
20°	491530
25°	428336
30°	356253
35°	282283
40°	203738
45°	128709
50°	67091
55°	35659
60°	18724
65°	10296
70°	4320
75°	4761
80°	3296
85°	2814

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 128709 cd/sqm



TEST NUMBER: P773216

CATALOG NUMBER: LD6D85BD010-EU6DR6570959040-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	905.1	8.6
10°-20°	2478.5	23.5
20°-30°	3029.6	28.7
30°-40°	2458.1	23.3
40°-50°	1224.9	11.6
50°-60°	341.7	3.2
60°-70°	77.6	0.7
70°-80°	20.2	0.2
80°-90°	5.1	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°	6413.2	60.8
0°-40°	8871.3	84.2
0°-60°	10437.9	99.0
0°-90°	10540.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10540.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9571	
5°	9510	905
15°	8930	2479
25°	6647	3030
35°	3959	2458
45°	1558	1225
55°	350	342
65°	74	78
75°	21	20
85°	4	5
90°	0	



TEST NUMBER: P773216

CATALOG NUMBER: LD6D85BD010-EU6DR6570959040-6LBS1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	9570.9
2.5°	9563.8
5°	9510.4
7.5°	9479.5
10°	9393.7
12.5°	9219.3
15°	8929.5
17.5°	8476.7
20°	7908.5
22.5°	7295.2
25°	6646.9
27.5°	5953.5
30°	5282.6
32.5°	4620.2
35°	3959.2
37.5°	3299.5
40°	2672.3
42.5°	2084.4
45°	1558.3
47.5°	1085.8
50°	738.4
52.5°	509.1
55°	350.2
57.5°	236.3
60°	160.3
62.5°	111.1
65°	74.5
67.5°	38.0
70°	25.3
72.5°	23.9
75°	21.1
77.5°	14.1
80°	9.8
82.5°	7.0
85°	4.2
87.5°	2.8
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)