

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: P751611

Luminaire Tested: LD4D65D010-EU4DR4055659030-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR4055659030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6946.7 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

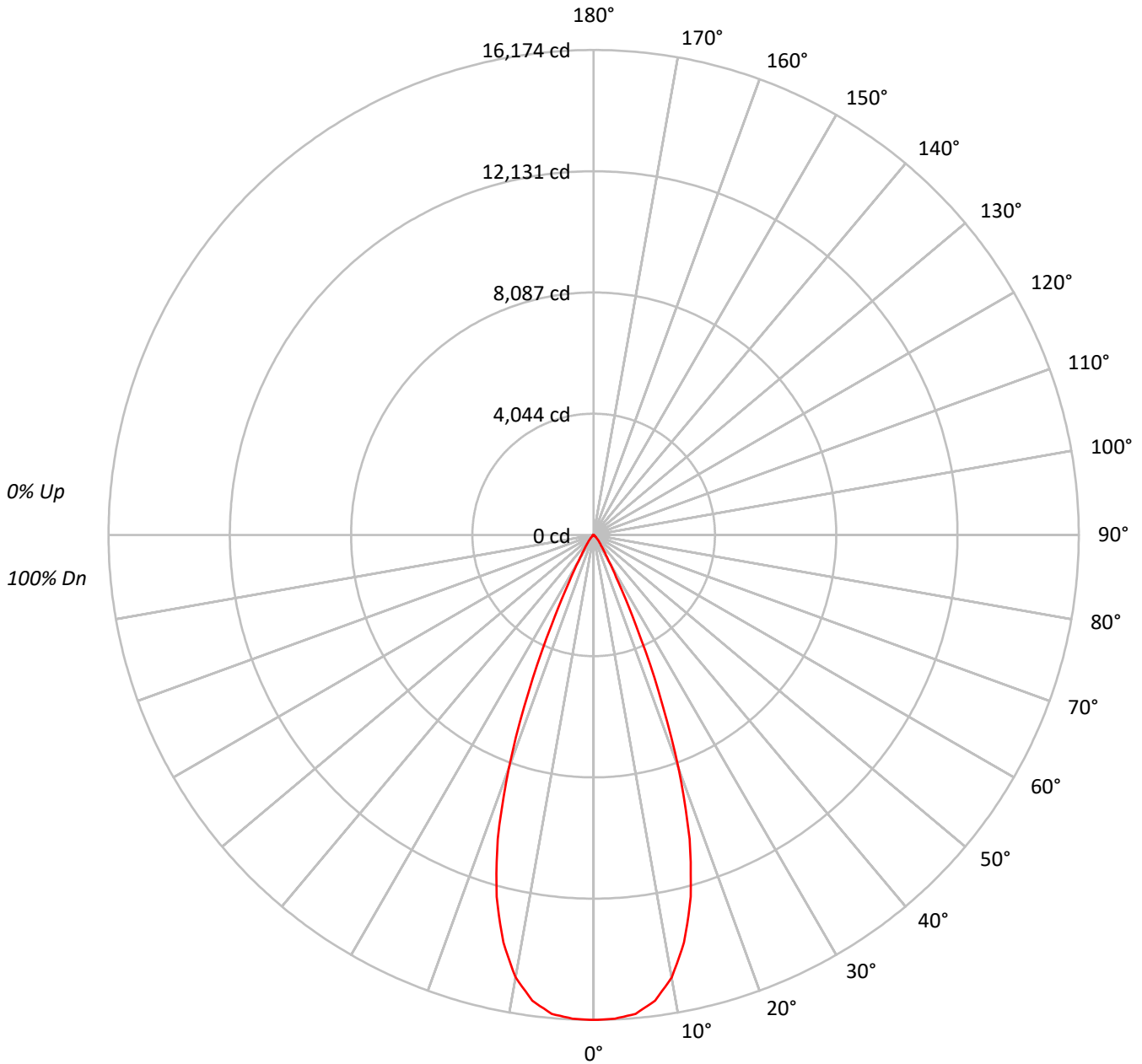
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P751611
CATALOG NUMBER: LD4D65D010-EU4DR4055659030-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P751611

CATALOG NUMBER: LD4D65D010-EU4DR4055659030-4LBDP1H

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96			96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88			88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84			84
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81			81
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77			77
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74			74
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72			72
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69			69
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1767162
5°	1758579
10°	1662242
15°	1413112
20°	963135
25°	401861
30°	126353
35°	58728
40°	32477
45°	14896
50°	7224
55°	3962
60°	2054
65°	724
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14896 cd/sqm



TEST NUMBER: P751611

CATALOG NUMBER: LD4D65D010-EU4DR4055659030-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1497.2	21.6
10°-20°	3354.1	48.3
20°-30°	1678.9	24.2
30°-40°	307.8	4.4
40°-50°	84.9	1.2
50°-60°	19.9	0.3
60°-70°	3.8	0.1
70°-80°	0.1	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°	6530.2	94.0
0°-40°	6837.9	98.4
0°-60°	6942.8	99.9
0°-90°	6946.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6946.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16174	
5°	16034	###
15°	12493	3354
25°	3333	1679
35°	440	308
45°	96	85
55°	21	20
65°	3	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P751611

CATALOG NUMBER: LD4D65D010-EU4DR4055659030-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	16173.8
2.5°	16150.2
5°	16034.0
7.5°	15663.6
10°	14982.4
12.5°	13920.4
15°	12492.7
17.5°	10636.1
20°	8283.4
22.5°	5647.3
25°	3333.4
27.5°	1762.1
30°	1001.5
32.5°	647.2
35°	440.3
37.5°	314.6
40°	227.7
42.5°	155.9
45°	96.4
47.5°	61.4
50°	42.5
52.5°	30.2
55°	20.8
57.5°	13.2
60°	9.4
62.5°	5.7
65°	2.8
67.5°	1.9
70°	0.9
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)