

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: P751980

Luminaire Tested: LD4D65D010-EU4DR6555659024-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751980
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: LD4D65D010-EU4DR6555659024-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5522.4 lumens
Efficiency: N/A
Efficacy: 75.9 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

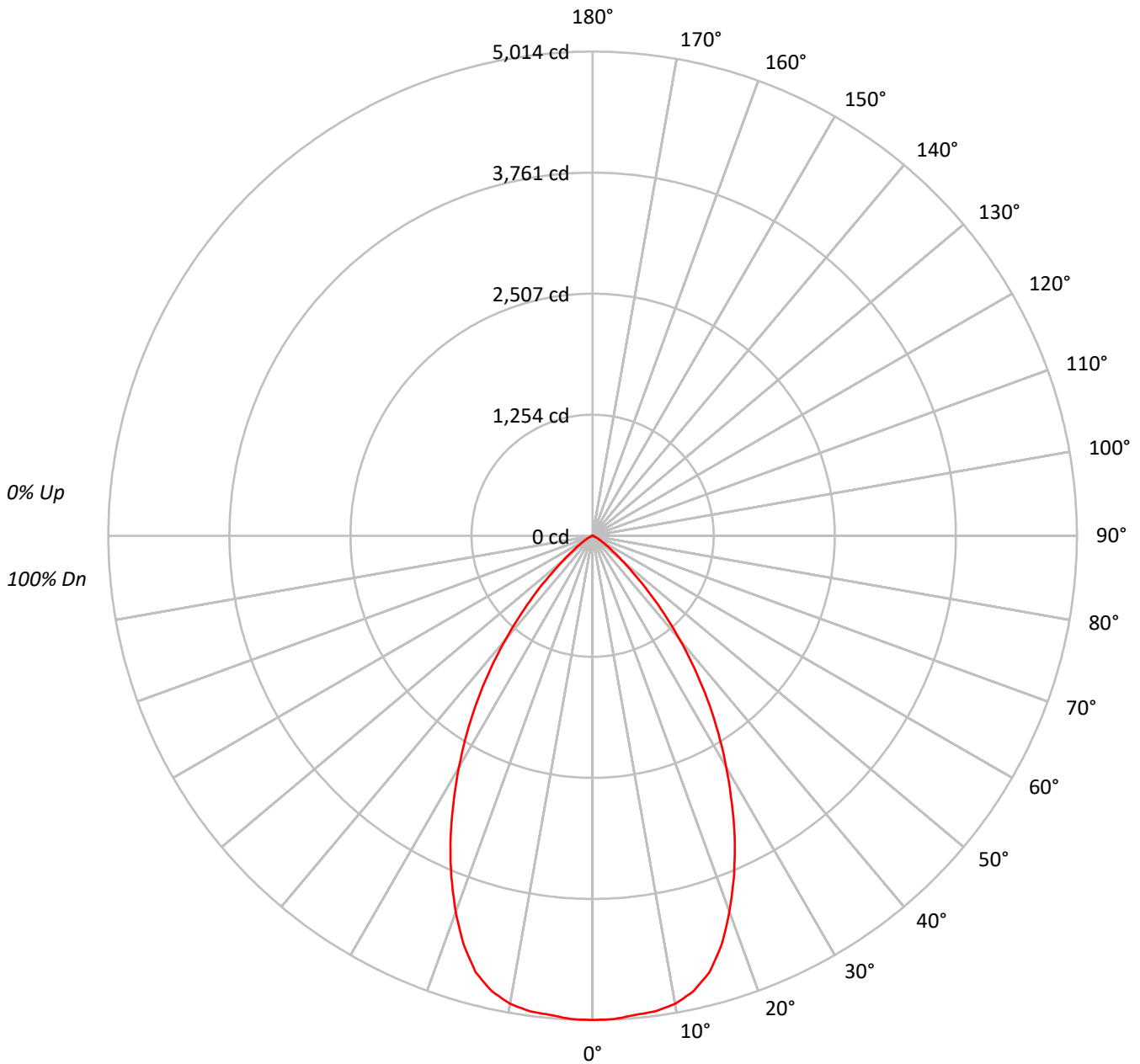
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P751980
CATALOG NUMBER: LD4D65D010-EU4DR6555659024-4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P751980
 CATALOG NUMBER: LD4D65D010-EU4DR6555659024-4LBS1LI

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			
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°	292843
5°	292109
10°	291857
15°	282863
20°	257509
25°	224405
30°	186637
35°	147886
40°	106737
45°	67431
50°	35145
55°	18685
60°	9812
65°	5403
70°	2271
75°	2505
80°	1749
85°	1474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 67431 cd/sqm



TEST NUMBER: P751980

CATALOG NUMBER: LD4D65D010-EU4DR6555659024-4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.2	8.6
10°-20°	1298.5	23.5
20°-30°	1587.2	28.7
30°-40°	1287.8	23.3
40°-50°	641.7	11.6
50°-60°	179.0	3.2
60°-70°	40.7	0.7
70°-80°	10.6	0.2
80°-90°	2.7	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°	3359.9	60.8
0°-40°	4647.7	84.2
0°-60°	5468.4	99.0
0°-90°	5522.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5522.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5014	
5°	4982	474
15°	4678	1298
25°	3482	1587
35°	2074	1288
45°	816	642
55°	184	179
65°	39	41
75°	11	11
85°	2	3
90°	0	



TEST NUMBER: P751980

CATALOG NUMBER: LD4D65D010-EU4DR6555659024-4LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	5014.1
2.5°	5010.5
5°	4982.5
7.5°	4966.3
10°	4921.3
12.5°	4829.9
15°	4678.2
17.5°	4440.9
20°	4143.2
22.5°	3822.0
25°	3482.3
27.5°	3119.0
30°	2767.5
32.5°	2420.5
35°	2074.2
37.5°	1728.6
40°	1400.0
42.5°	1092.0
45°	816.4
47.5°	568.8
50°	386.8
52.5°	266.7
55°	183.5
57.5°	123.8
60°	84.0
62.5°	58.2
65°	39.1
67.5°	19.9
70°	13.3
72.5°	12.5
75°	11.1
77.5°	7.4
80°	5.2
82.5°	3.7
85°	2.2
87.5°	1.5
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)