

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: P752031

Luminaire Tested: LD4D65D010-EU4DR6555659040-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P752031
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-EU4DR6555659040-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-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: 6492.4 lumens
Efficiency: N/A
Efficacy: 89.2 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

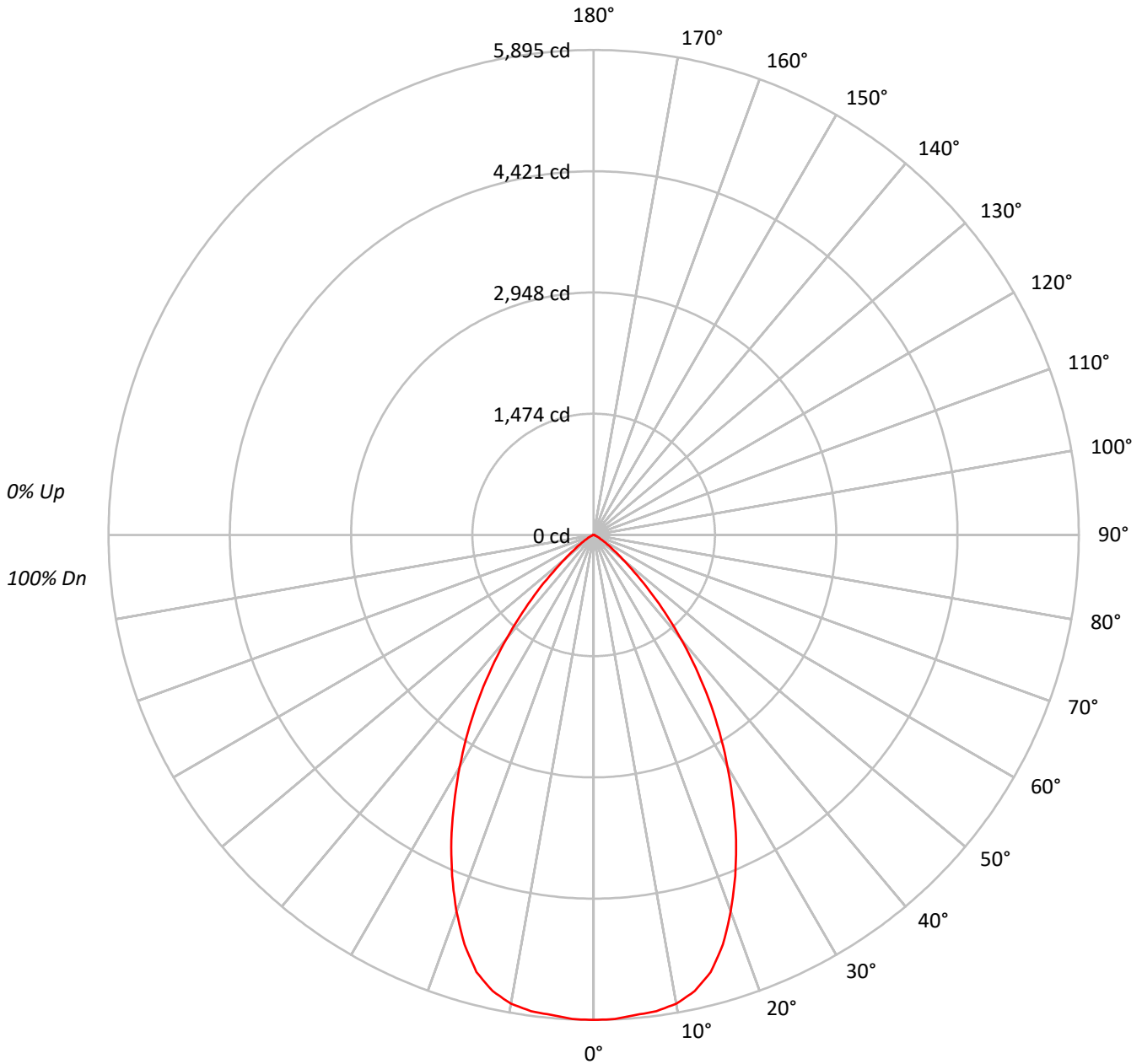
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P752031
CATALOG NUMBER: LD4D65D010-EU4DR6555659040-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P752031

CATALOG NUMBER: LD4D65D010-EU4DR6555659040-4LBS1H

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°	344285
5°	343419
10°	343126
15°	332547
20°	302743
25°	263824
30°	219426
35°	173860
40°	125485
45°	79275
50°	41323
55°	21963
60°	11541
65°	6343
70°	2664
75°	2934
80°	2052
85°	1742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 79275 cd/sqm



TEST NUMBER: P752031

CATALOG NUMBER: LD4D65D010-EU4DR6555659040-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.5	8.6
10°-20°	1526.6	23.5
20°-30°	1866.0	28.7
30°-40°	1514.0	23.3
40°-50°	754.5	11.6
50°-60°	210.4	3.2
60°-70°	47.8	0.7
70°-80°	12.5	0.2
80°-90°	3.2	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°	3950.1	60.8
0°-40°	5464.1	84.2
0°-60°	6429.0	99.0
0°-90°	6492.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6492.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5895	
5°	5858	557
15°	5500	1527
25°	4094	1866
35°	2438	1514
45°	960	754
55°	216	210
65°	46	48
75°	13	12
85°	3	3
90°	0	



TEST NUMBER: P752031

CATALOG NUMBER: LD4D65D010-EU4DR6555659040-4LBS1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	5894.9
2.5°	5890.6
5°	5857.7
7.5°	5838.6
10°	5785.8
12.5°	5678.4
15°	5499.9
17.5°	5221.0
20°	4871.0
22.5°	4493.3
25°	4094.0
27.5°	3666.9
30°	3253.7
32.5°	2845.7
35°	2438.5
37.5°	2032.3
40°	1645.9
42.5°	1283.8
45°	959.8
47.5°	668.8
50°	454.8
52.5°	313.6
55°	215.7
57.5°	145.5
60°	98.8
62.5°	68.4
65°	45.9
67.5°	23.4
70°	15.6
72.5°	14.7
75°	13.0
77.5°	8.7
80°	6.1
82.5°	4.3
85°	2.6
87.5°	1.7
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)