

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: P751986

Luminaire Tested: LD4D65D010-EU4DR6555659027-4LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751986
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-EU4DR6555659027-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5789.9 lumens
Efficiency: N/A
Efficacy: 79.5 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

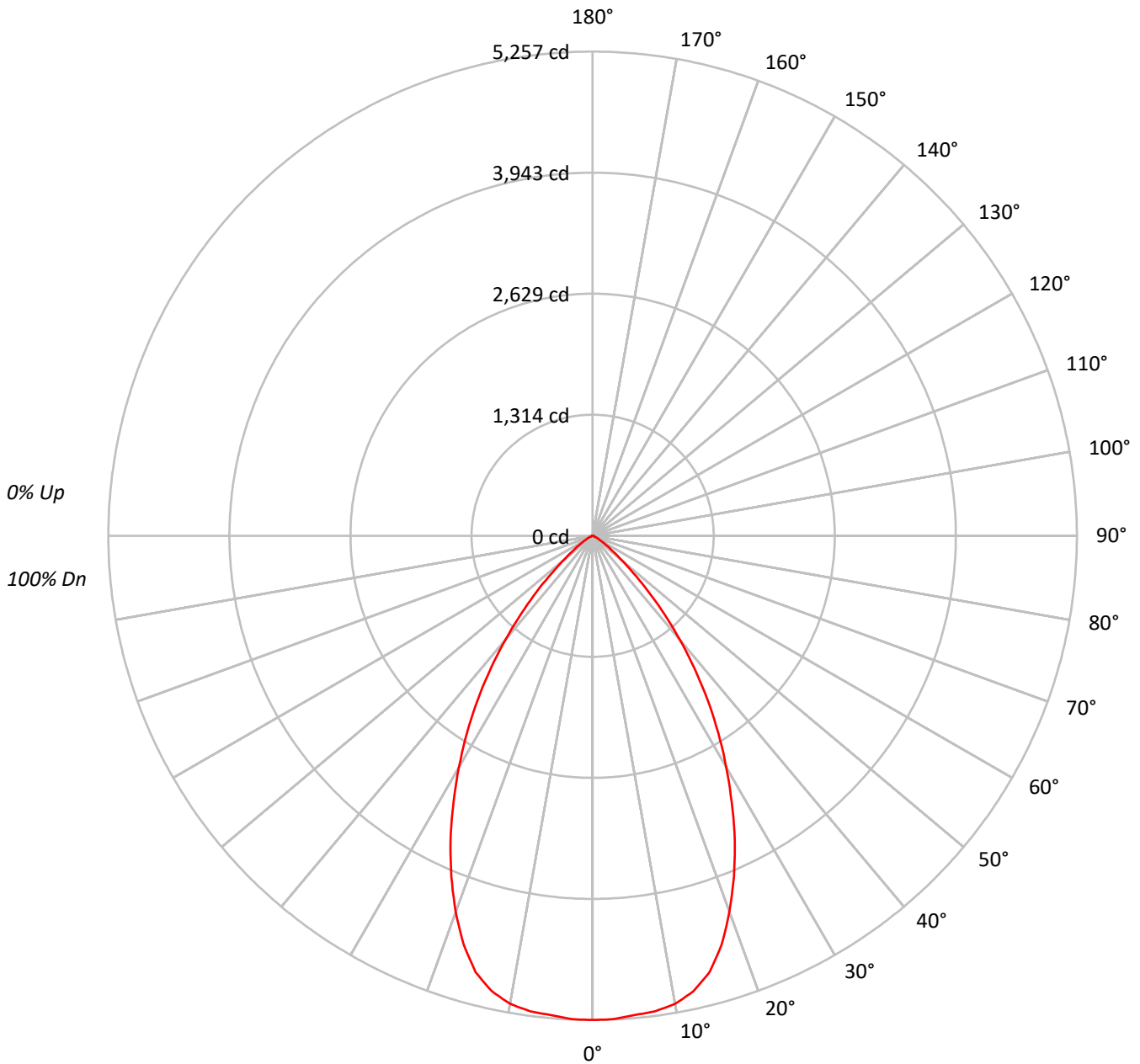
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P751986

CATALOG NUMBER: LD4D65D010-EU4DR6555659027-4LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P751986

CATALOG NUMBER: LD4D65D010-EU4DR6555659027-4LBCSSQMW

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
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°	307035
5°	306261
10°	306001
15°	296564
20°	269989
25°	235276
30°	195681
35°	155052
40°	111906
45°	70702
50°	36853
55°	19591
60°	10291
65°	5652
70°	2374
75°	2618
80°	1816
85°	1541

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 70702 cd/sqm



TEST NUMBER: P751986

CATALOG NUMBER: LD4D65D010-EU4DR6555659027-4LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.2	8.6
10°-20°	1361.4	23.5
20°-30°	1664.1	28.7
30°-40°	1350.2	23.3
40°-50°	672.8	11.6
50°-60°	187.7	3.2
60°-70°	42.6	0.7
70°-80°	11.1	0.2
80°-90°	2.8	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°	3522.6	60.8
0°-40°	4872.9	84.2
0°-60°	5733.4	99.0
0°-90°	5789.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5789.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5257	
5°	5224	497
15°	4905	1361
25°	3651	1664
35°	2175	1350
45°	856	673
55°	192	188
65°	41	43
75°	12	11
85°	2	3
90°	0	



TEST NUMBER: P751986
CATALOG NUMBER: LD4D65D010-EU4DR6555659027-4LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	5257.1
2.5°	5253.2
5°	5223.9
7.5°	5206.9
10°	5159.8
12.5°	5064.0
15°	4904.8
17.5°	4656.1
20°	4344.0
22.5°	4007.1
25°	3651.0
27.5°	3270.1
30°	2901.6
32.5°	2537.8
35°	2174.7
37.5°	1812.4
40°	1467.8
42.5°	1144.9
45°	856.0
47.5°	596.4
50°	405.6
52.5°	279.7
55°	192.4
57.5°	129.8
60°	88.1
62.5°	61.0
65°	40.9
67.5°	20.9
70°	13.9
72.5°	13.1
75°	11.6
77.5°	7.7
80°	5.4
82.5°	3.9
85°	2.3
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)