

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: P751989

Luminaire Tested: LD4D65D010-EU4DR6555659027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR6555659027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5942.9 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

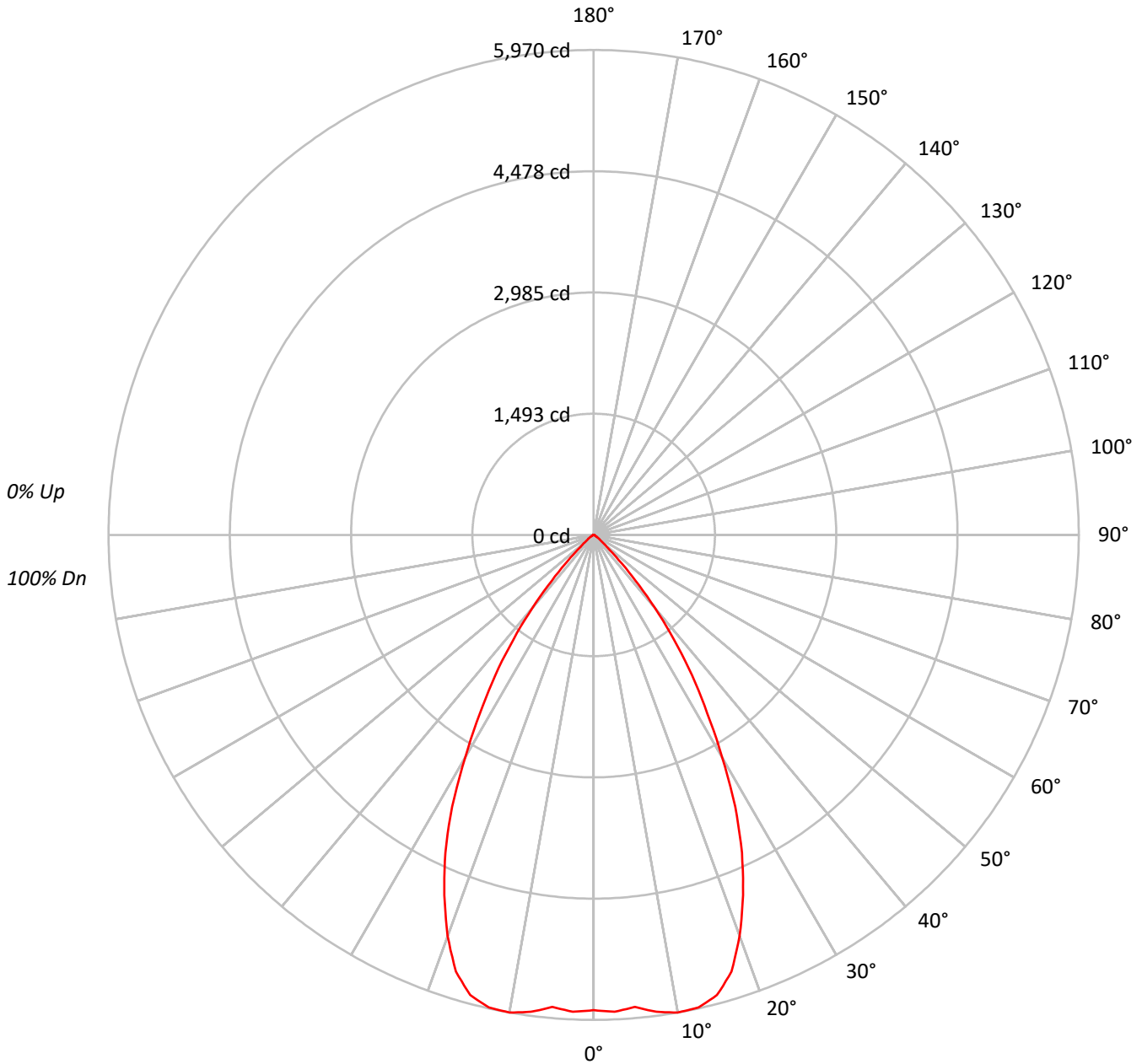
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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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																			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	639296
5°	639829
10°	662349
15°	663454
20°	610816
25°	520452
30°	398424
35°	281478
40°	166149
45°	67447
50°	24443
55°	13620
60°	7823
65°	4292
70°	4504
75°	3504
80°	3649
85°	3134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 67447 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.4	9.5
10°-20°	1625.2	27.3
20°-30°	1949.9	32.8
30°-40°	1310.4	22.1
40°-50°	392.3	6.6
50°-60°	69.2	1.2
60°-70°	19.7	0.3
70°-80°	9.6	0.2
80°-90°	3.1	0.1
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°	4138.5	69.6
0°-40°	5449.0	91.7
0°-60°	5910.5	99.5
0°-90°	5942.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5942.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5851	
5°	5834	563
15°	5865	1625
25°	4317	1950
35°	2110	1310
45°	436	392
55°	72	69
65°	17	20
75°	8	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5851.1
2.5°	5876.1
5°	5833.7
7.5°	5921.8
10°	5970.0
12.5°	5958.4
15°	5865.3
17.5°	5637.4
20°	5253.3
22.5°	4801.0
25°	4317.1
27.5°	3770.8
30°	3158.0
32.5°	2602.5
35°	2110.3
37.5°	1623.9
40°	1164.9
42.5°	760.8
45°	436.5
47.5°	231.2
50°	143.8
52.5°	99.8
55°	71.5
57.5°	51.6
60°	35.8
62.5°	23.3
65°	16.6
67.5°	15.0
70°	14.1
72.5°	10.8
75°	8.3
77.5°	7.5
80°	5.8
82.5°	4.2
85°	2.5
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

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— 0°-180°

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