

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: P752118

Luminaire Tested: LD4D65D010-EU4DR7055659050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR7055659050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7155.8 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

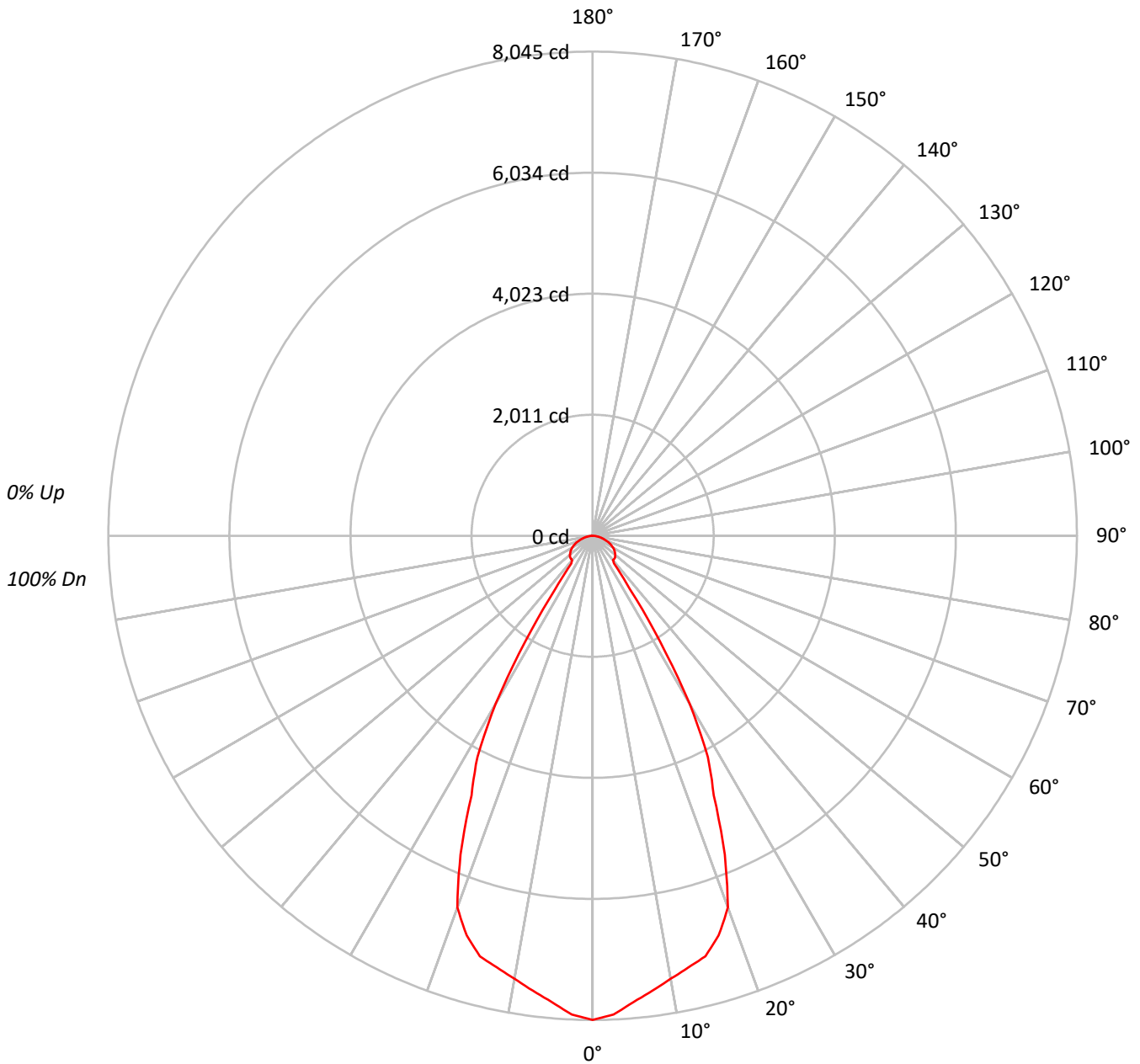
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	879025
5°	852912
10°	829135
15°	818252
20°	764087
25°	574015
30°	405780
35°	143733
40°	75580
45°	80504
50°	83358
55°	84921
60°	85464
65°	83635
70°	78938
75°	73117
80°	64934
85°	52652

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 85469 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	733.5	10.3
10°-20°	2011.9	28.1
20°-30°	2215.9	31.0
30°-40°	846.6	11.8
40°-50°	399.8	5.6
50°-60°	397.4	5.6
60°-70°	318.2	4.4
70°-80°	182.9	2.6
80°-90°	49.7	0.7
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°	4961.3	69.3
0°-40°	5807.9	81.2
0°-60°	6605.1	92.3
0°-90°	7155.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7155.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8045	
5°	7776	733
15°	7234	2012
25°	4761	2216
35°	1078	847
45°	521	400
55°	446	397
65°	324	318
75°	173	183
85°	42	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8045.2
2.5°	7961.2
5°	7776.5
7.5°	7622.3
10°	7473.3
12.5°	7347.2
15°	7233.8
17.5°	6960.0
20°	6571.5
22.5°	5733.3
25°	4761.4
27.5°	4144.9
30°	3216.3
32.5°	2077.5
35°	1077.6
37.5°	582.1
40°	529.9
42.5°	526.1
45°	521.0
47.5°	509.5
50°	490.4
52.5°	468.8
55°	445.8
57.5°	420.3
60°	391.1
62.5°	357.9
65°	323.5
67.5°	285.3
70°	247.1
72.5°	208.9
75°	173.2
77.5°	136.3
80°	103.2
82.5°	72.6
85°	42.0
87.5°	16.6
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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