

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: P752100

Luminaire Tested: LD4D65D010-EU4DR7055659035-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752100
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-EU4DR7055659035-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5584.1 lumens
Efficiency: N/A
Efficacy: 76.7 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

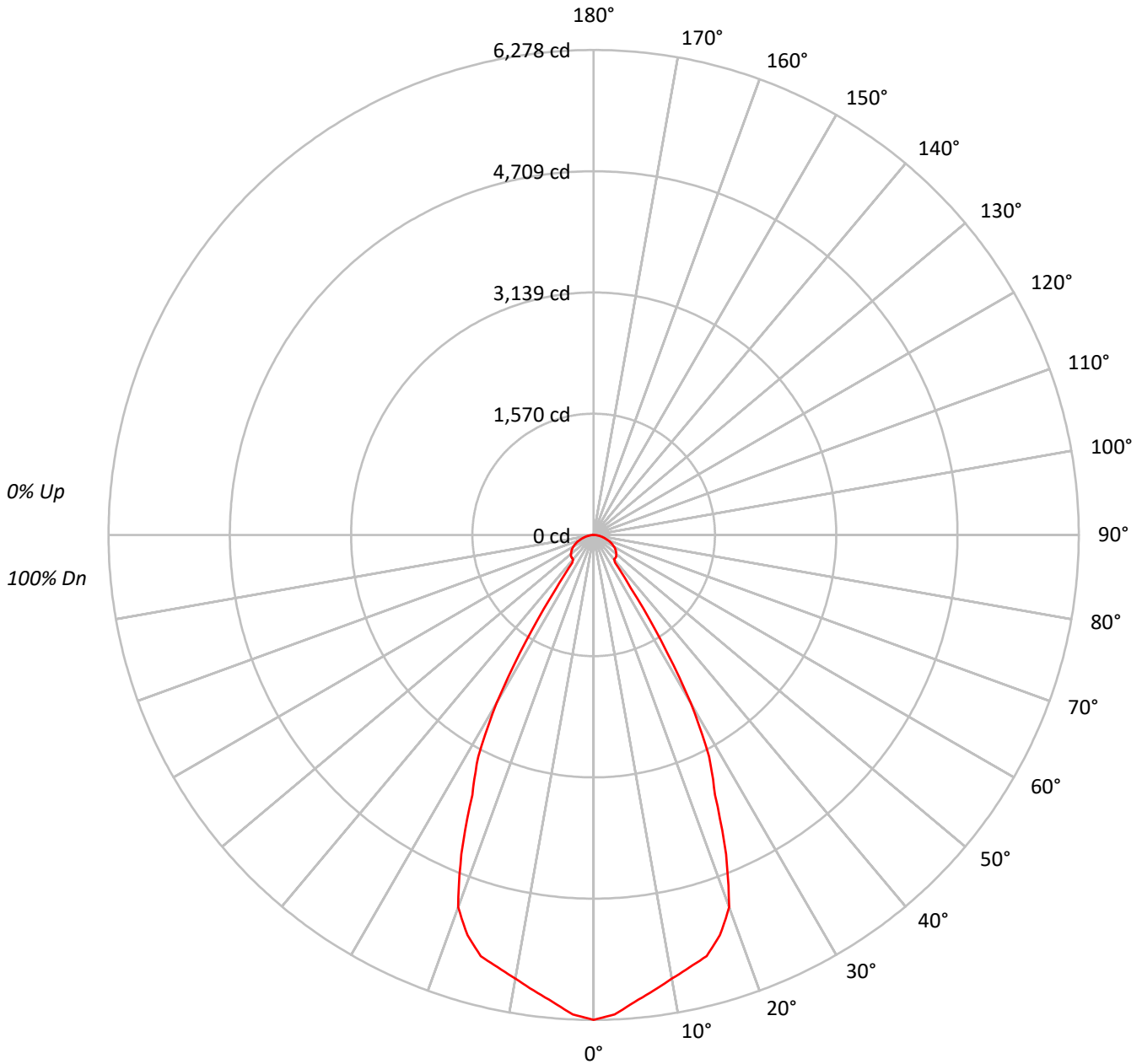
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	685950
5°	665571
10°	647017
15°	638523
20°	596259
25°	447938
30°	316658
35°	112162
40°	58977
45°	62812
50°	65051
55°	66272
60°	66693
65°	65280
70°	61591
75°	57075
80°	50651
85°	41119

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 66699 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.4	10.3
10°-20°	1570.0	28.1
20°-30°	1729.2	31.0
30°-40°	660.7	11.8
40°-50°	311.9	5.6
50°-60°	310.1	5.6
60°-70°	248.3	4.4
70°-80°	142.7	2.6
80°-90°	38.8	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°	3871.5	69.3
0°-40°	4532.2	81.2
0°-60°	5154.3	92.3
0°-90°	5584.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5584.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6278	
5°	6068	572
15°	5645	1570
25°	3716	1729
35°	841	661
45°	406	312
55°	348	310
65°	252	248
75°	135	143
85°	33	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6278.1
2.5°	6212.5
5°	6068.4
7.5°	5948.1
10°	5831.8
12.5°	5733.4
15°	5644.9
17.5°	5431.2
20°	5128.1
22.5°	4474.0
25°	3715.6
27.5°	3234.5
30°	2509.9
32.5°	1621.2
35°	840.9
37.5°	454.3
40°	413.5
42.5°	410.5
45°	406.5
47.5°	397.6
50°	382.7
52.5°	365.8
55°	347.9
57.5°	328.0
60°	305.2
62.5°	279.3
65°	252.5
67.5°	222.7
70°	192.8
72.5°	163.0
75°	135.2
77.5°	106.4
80°	80.5
82.5°	56.7
85°	32.8
87.5°	12.9
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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