

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: P752684

Luminaire Tested: LD4D70BD010-EU4DR6070959024-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6070959024-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

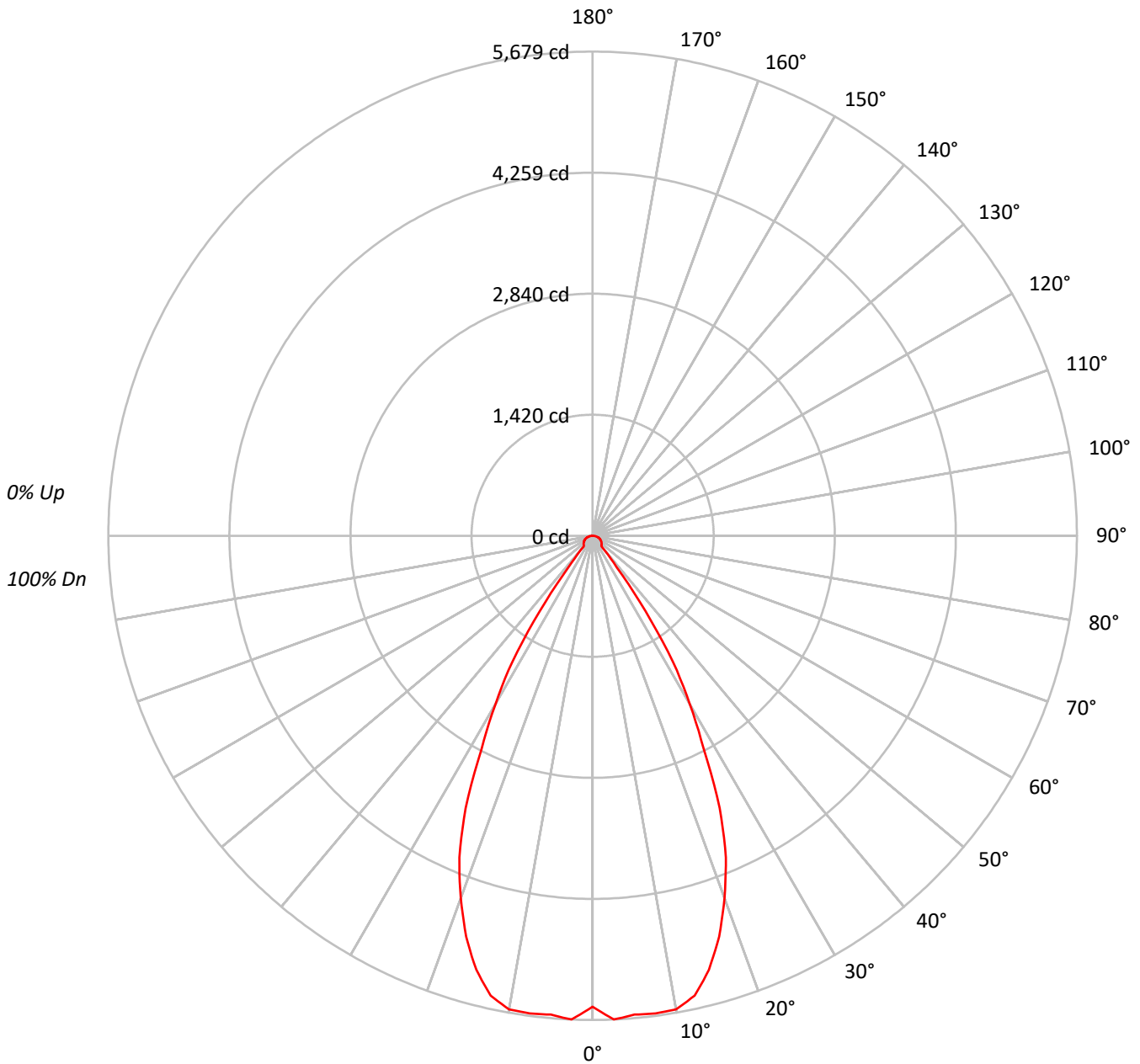
Lumens per Lamp: N/A
Luminaire Lumens: 4651.1 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	603535
5°	618376
10°	625848
15°	596207
20°	525670
25°	425177
30°	287602
35°	144120
40°	23377
45°	22884
50°	23338
55°	23697
60°	24343
65°	24897
70°	25493
75°	25793
80°	24854
85°	20685

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 25793 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.9	11.6
10°-20°	1457.9	31.3
20°-30°	1568.6	33.7
30°-40°	681.8	14.7
40°-50°	114.5	2.5
50°-60°	111.4	2.4
60°-70°	95.2	2.0
70°-80°	63.7	1.4
80°-90°	19.1	0.4
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°	3565.4	76.7
0°-40°	4247.3	91.3
0°-60°	4473.1	96.2
0°-90°	4651.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4651.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5524	
5°	5638	539
15°	5271	1458
25°	3527	1569
35°	1080	682
45°	148	115
55°	124	111
65°	96	95
75°	61	64
85°	16	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5523.8
2.5°	5679.1
5°	5638.1
7.5°	5651.1
10°	5641.0
12.5°	5524.6
15°	5270.8
17.5°	4930.0
20°	4521.0
22.5°	4083.2
25°	3526.8
27.5°	2820.9
30°	2279.6
32.5°	1756.9
35°	1080.5
37.5°	462.2
40°	163.9
42.5°	151.0
45°	148.1
47.5°	143.1
50°	137.3
52.5°	130.8
55°	124.4
57.5°	117.9
60°	111.4
62.5°	104.2
65°	96.3
67.5°	88.4
70°	79.8
72.5°	70.4
75°	61.1
77.5°	50.3
80°	39.5
82.5°	28.0
85°	16.5
87.5°	5.8
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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