

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: P752893

Luminaire Tested: LD4D70BD010-EU4DR7070959040-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752893
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: LD4D70BD010-EU4DR7070959040-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

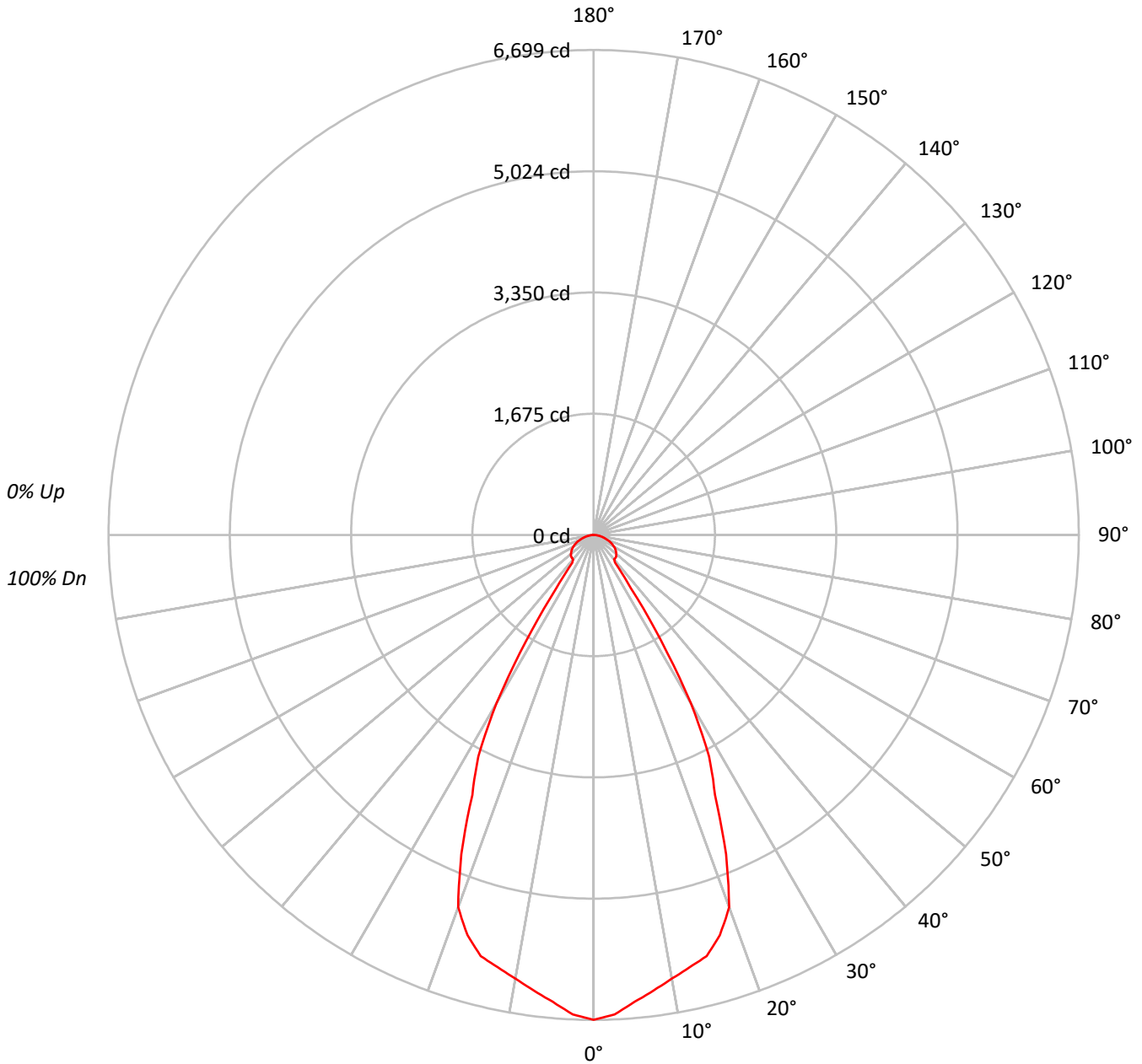
Lumens per Lamp: N/A
Luminaire Lumens: 5958.1 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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																			
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°	731894
5°	710144
10°	690352
15°	681292
20°	636187
25°	477932
30°	337866
35°	119684
40°	62928
45°	67030
50°	69403
55°	70710
60°	71151
65°	69649
70°	65744
75°	60874
80°	54049
85°	43877

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 71173 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	610.7	10.3
10°-20°	1675.2	28.1
20°-30°	1845.0	31.0
30°-40°	704.9	11.8
40°-50°	332.8	5.6
50°-60°	330.9	5.6
60°-70°	264.9	4.4
70°-80°	152.3	2.6
80°-90°	41.4	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°	4130.8	69.3
0°-40°	4835.8	81.2
0°-60°	5499.5	92.3
0°-90°	5958.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5958.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6699	
5°	6475	611
15°	6023	1675
25°	3964	1845
35°	897	705
45°	434	333
55°	371	331
65°	269	265
75°	144	152
85°	35	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6698.6
2.5°	6628.6
5°	6474.8
7.5°	6346.5
10°	6222.4
12.5°	6117.4
15°	6023.0
17.5°	5795.0
20°	5471.5
22.5°	4773.7
25°	3964.4
27.5°	3451.1
30°	2678.0
32.5°	1729.8
35°	897.3
37.5°	484.7
40°	441.2
42.5°	438.0
45°	433.8
47.5°	424.2
50°	408.3
52.5°	390.3
55°	371.2
57.5°	350.0
60°	325.6
62.5°	298.0
65°	269.4
67.5°	237.6
70°	205.8
72.5°	173.9
75°	144.2
77.5°	113.5
80°	85.9
82.5°	60.5
85°	35.0
87.5°	13.8
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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