

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: P752698

Luminaire Tested: LD4D70BD010-EU4DR6070959027-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752698
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-EU4DR6070959027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

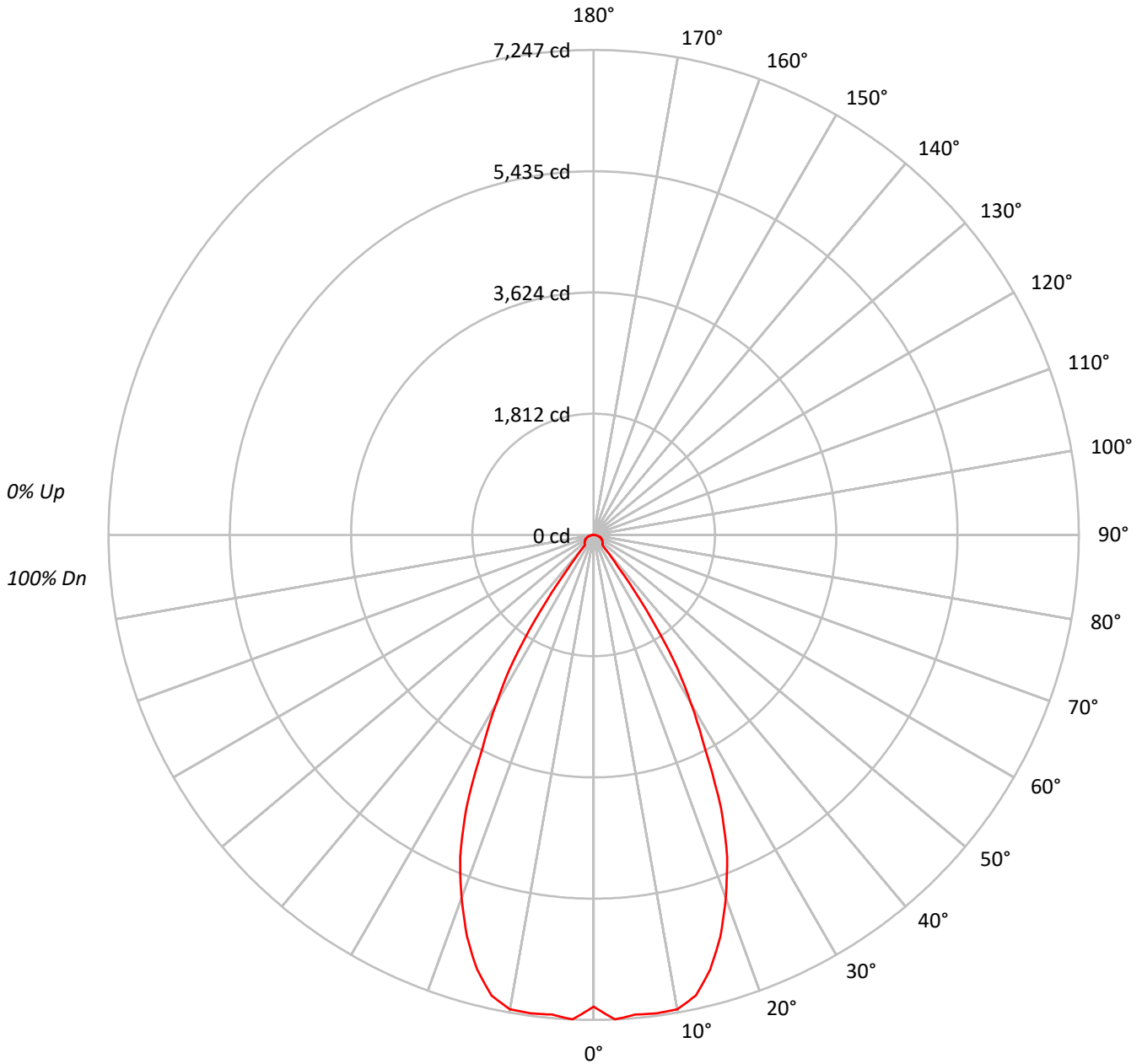
Lumens per Lamp: N/A
Luminaire Lumens: 5935.0 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	770135
5°	789079
10°	798613
15°	760778
20°	670778
25°	542538
30°	366984
35°	183895
40°	29824
45°	29204
50°	29780
55°	30231
60°	31074
65°	31774
70°	32521
75°	32928
80°	31775
85°	26452

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 32928 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	687.6	11.6
10°-20°	1860.4	31.3
20°-30°	2001.6	33.7
30°-40°	870.0	14.7
40°-50°	146.1	2.5
50°-60°	142.1	2.4
60°-70°	121.5	2.0
70°-80°	81.3	1.4
80°-90°	24.3	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°	4549.6	76.7
0°-40°	5419.6	91.3
0°-60°	5707.8	96.2
0°-90°	5935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5935.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7049	
5°	7194	688
15°	6726	1860
25°	4500	2002
35°	1379	870
45°	189	146
55°	159	142
65°	123	122
75°	78	81
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7048.6
2.5°	7246.8
5°	7194.5
7.5°	7211.0
10°	7198.2
12.5°	7049.6
15°	6725.7
17.5°	6290.9
20°	5769.0
22.5°	5210.3
25°	4500.3
27.5°	3599.5
30°	2908.8
32.5°	2241.9
35°	1378.7
37.5°	589.8
40°	209.1
42.5°	192.6
45°	189.0
47.5°	182.5
50°	175.2
52.5°	167.0
55°	158.7
57.5°	150.4
60°	142.2
62.5°	133.0
65°	122.9
67.5°	112.8
70°	101.8
72.5°	89.9
75°	78.0
77.5°	64.2
80°	50.5
82.5°	35.8
85°	21.1
87.5°	7.3
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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