

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: P756636

Luminaire Tested: LD4D95BD010-EU4DR6070959040-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756636
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: LD4D95BD010-EU4DR6070959040-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7451.9 lumens
Efficiency: N/A
Efficacy: 75.1 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

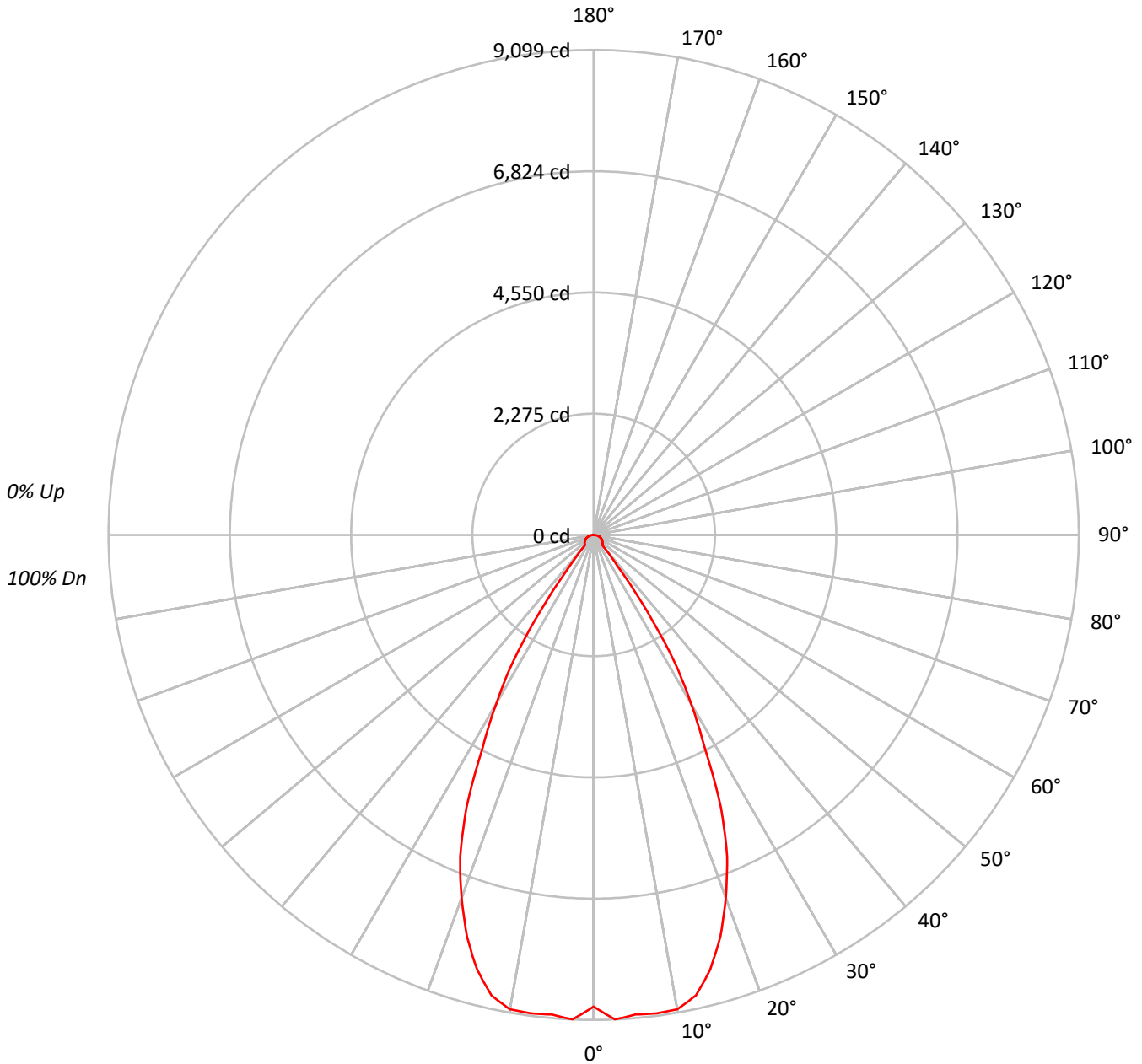
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	966969
5°	990744
10°	1002721
15°	955223
20°	842211
25°	681201
30°	460774
35°	230899
40°	37455
45°	36667
50°	37396
55°	37965
60°	39006
65°	39892
70°	40827
75°	41329
80°	39829
85°	33221

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 41329 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	863.4	11.6
10°-20°	2335.9	31.3
20°-30°	2513.2	33.7
30°-40°	1092.4	14.7
40°-50°	183.5	2.5
50°-60°	178.4	2.4
60°-70°	152.6	2.0
70°-80°	102.1	1.4
80°-90°	30.5	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°	5712.4	76.7
0°-40°	6804.8	91.3
0°-60°	7166.7	96.2
0°-90°	7451.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7451.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8850	
5°	9033	863
15°	8445	2336
25°	5650	2513
35°	1731	1092
45°	237	183
55°	199	178
65°	154	153
75°	98	102
85°	26	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8850.1
2.5°	9098.9
5°	9033.2
7.5°	9054.0
10°	9037.9
12.5°	8851.3
15°	8444.7
17.5°	7898.8
20°	7243.4
22.5°	6542.0
25°	5650.5
27.5°	4519.5
30°	3652.2
32.5°	2814.9
35°	1731.1
37.5°	740.6
40°	262.6
42.5°	241.9
45°	237.3
47.5°	229.2
50°	220.0
52.5°	209.6
55°	199.3
57.5°	188.9
60°	178.5
62.5°	167.0
65°	154.3
67.5°	141.7
70°	127.8
72.5°	112.9
75°	97.9
77.5°	80.6
80°	63.3
82.5°	44.9
85°	26.5
87.5°	9.2
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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