

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: P755961

Luminaire Tested: LD4D90BD010-EU4DR7070959024-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P755961
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: LD4D90BD010-EU4DR7070959024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6116.0 lumens
Efficiency: N/A
Efficacy: 61.8 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

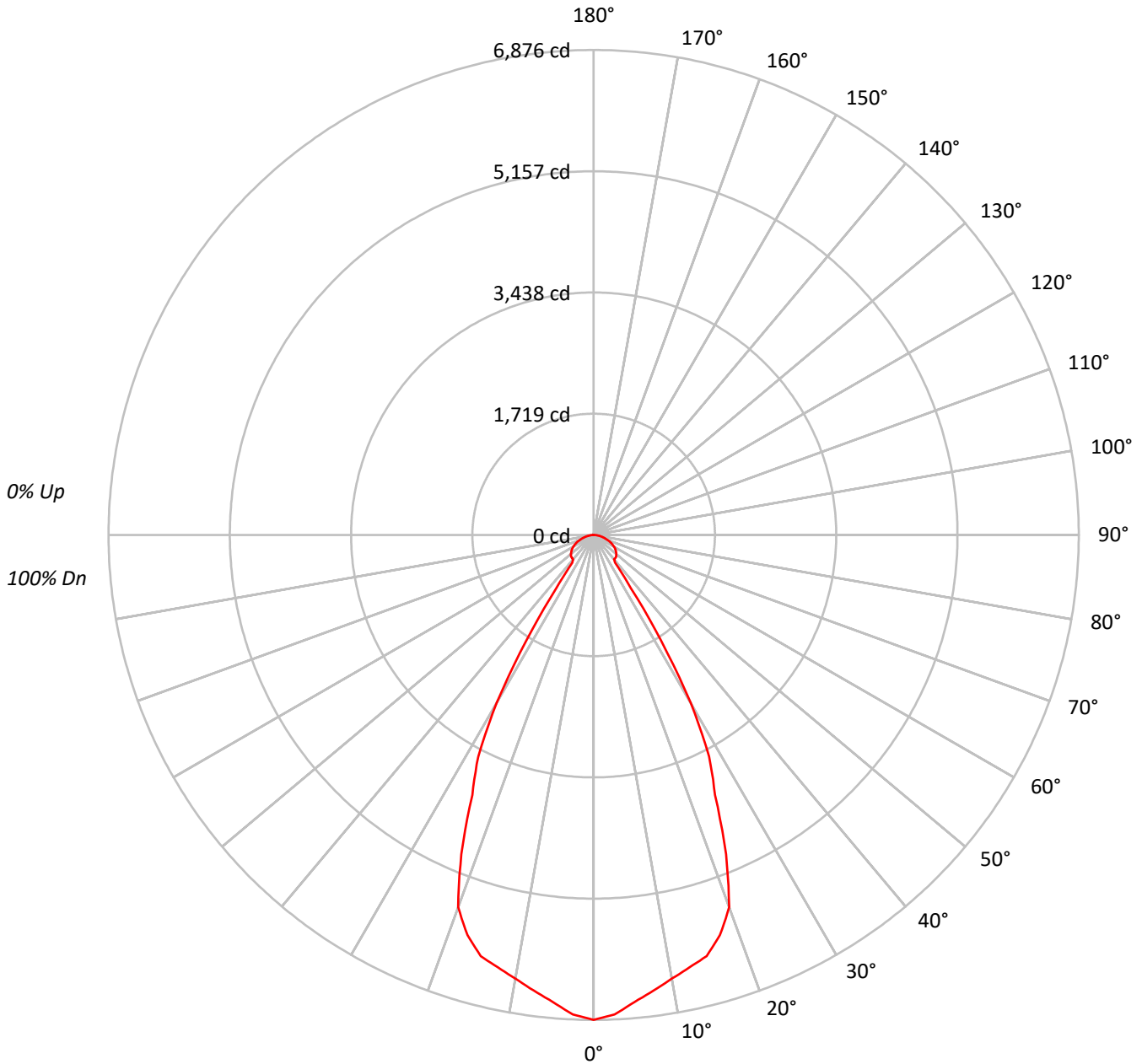
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	751288
5°	728965
10°	708647
15°	699345
20°	653047
25°	490602
30°	346811
35°	122846
40°	64597
45°	68807
50°	71238
55°	72577
60°	73030
65°	71484
70°	67469
75°	62521
80°	55496
85°	45005

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 73064 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	626.9	10.3
10°-20°	1719.6	28.1
20°-30°	1893.9	31.0
30°-40°	723.6	11.8
40°-50°	341.7	5.6
50°-60°	339.7	5.6
60°-70°	271.9	4.4
70°-80°	156.3	2.6
80°-90°	42.5	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°	4240.3	69.3
0°-40°	4963.9	81.2
0°-60°	5645.2	92.3
0°-90°	6116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6116.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6876	
5°	6646	627
15°	6183	1720
25°	4070	1894
35°	921	724
45°	445	342
55°	381	340
65°	276	272
75°	148	156
85°	36	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6876.1
2.5°	6804.3
5°	6646.4
7.5°	6514.7
10°	6387.3
12.5°	6279.5
15°	6182.6
17.5°	5948.6
20°	5616.5
22.5°	4900.2
25°	4069.5
27.5°	3542.6
30°	2748.9
32.5°	1775.6
35°	921.0
37.5°	497.5
40°	452.9
42.5°	449.6
45°	445.3
47.5°	435.5
50°	419.1
52.5°	400.6
55°	381.0
57.5°	359.3
60°	334.2
62.5°	305.9
65°	276.5
67.5°	243.9
70°	211.2
72.5°	178.5
75°	148.1
77.5°	116.5
80°	88.2
82.5°	62.1
85°	35.9
87.5°	14.2
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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