

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P755116

Luminaire Tested: LD4D85BD010-EU4DR6570959027-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P755116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D85BD010-EU4DR6570959027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6199.4 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

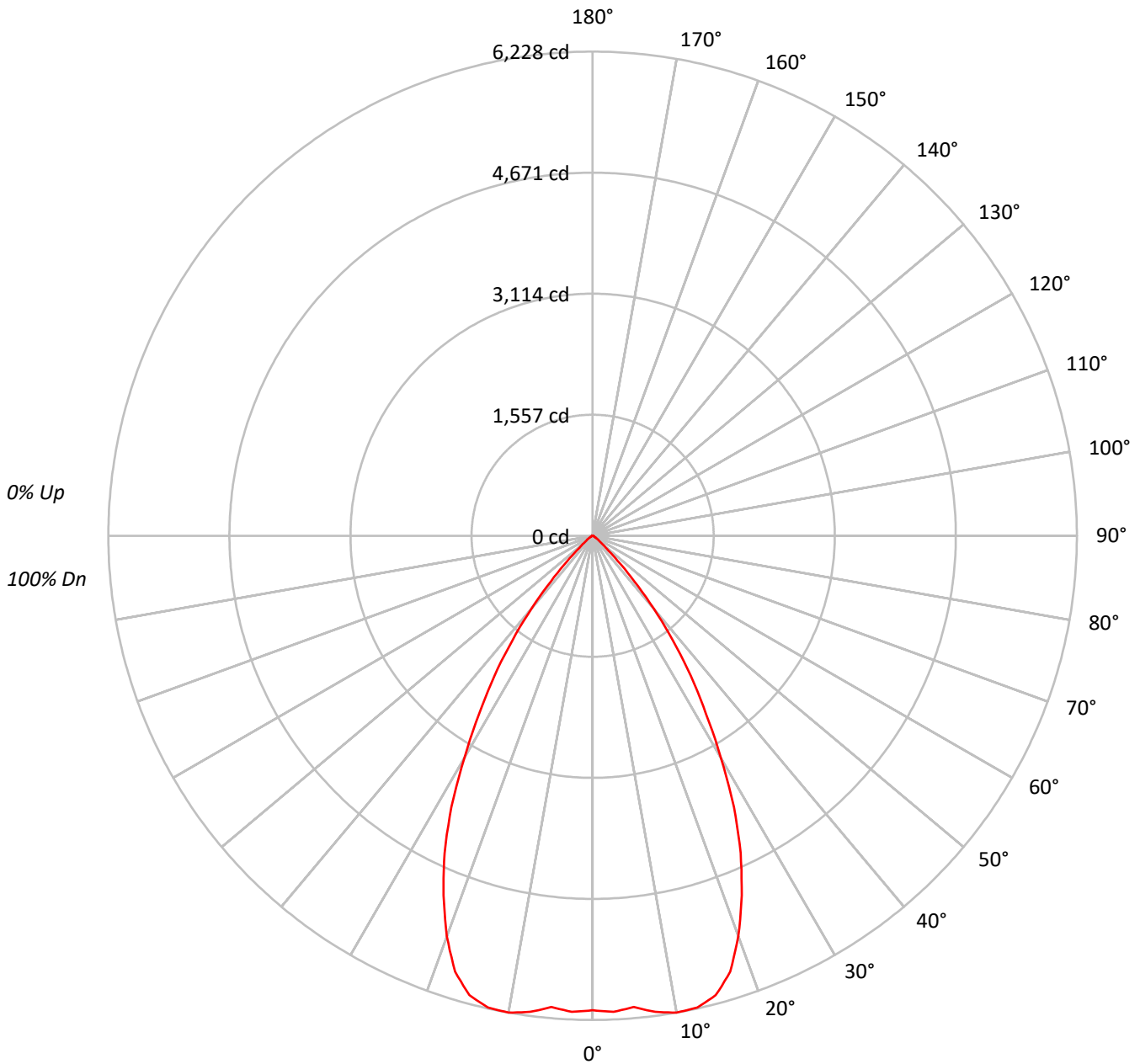
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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									70									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	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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																												
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																												
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																												
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																												
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																												
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																												
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																												
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																												
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																												
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	666906
5°	667457
10°	690951
15°	692094
20°	637187
25°	542924
30°	415620
35°	293629
40°	173324
45°	70368
50°	25514
55°	14211
60°	8151
65°	4473
70°	4696
75°	3673
80°	3838
85°	3259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 70368 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.7	9.5
10°-20°	1695.4	27.3
20°-30°	2034.1	32.8
30°-40°	1367.0	22.1
40°-50°	409.2	6.6
50°-60°	72.2	1.2
60°-70°	20.5	0.3
70°-80°	10.1	0.2
80°-90°	3.2	0.1
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°	4317.2	69.6
0°-40°	5684.2	91.7
0°-60°	6165.7	99.5
0°-90°	6199.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6199.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6104	
5°	6086	588
15°	6118	1695
25°	4504	2034
35°	2201	1367
45°	455	409
55°	75	72
65°	17	21
75°	9	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6103.8
2.5°	6129.8
5°	6085.6
7.5°	6177.5
10°	6227.8
12.5°	6215.7
15°	6118.5
17.5°	5880.9
20°	5480.1
22.5°	5008.3
25°	4503.5
27.5°	3933.6
30°	3294.3
32.5°	2714.9
35°	2201.4
37.5°	1694.0
40°	1215.2
42.5°	793.7
45°	455.4
47.5°	241.1
50°	150.1
52.5°	104.1
55°	74.6
57.5°	53.8
60°	37.3
62.5°	24.3
65°	17.3
67.5°	15.6
70°	14.7
72.5°	11.3
75°	8.7
77.5°	7.8
80°	6.1
82.5°	4.3
85°	2.6
87.5°	1.7
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)