

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: P746653

Luminaire Tested: LD4D30D010-EU4DR7020359040-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746653
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: LD4D30D010-EU4DR7020359040-4LBSQW1MW
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: 2412.8 lumens
Efficiency: N/A
Efficacy: 83.2 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): 29
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



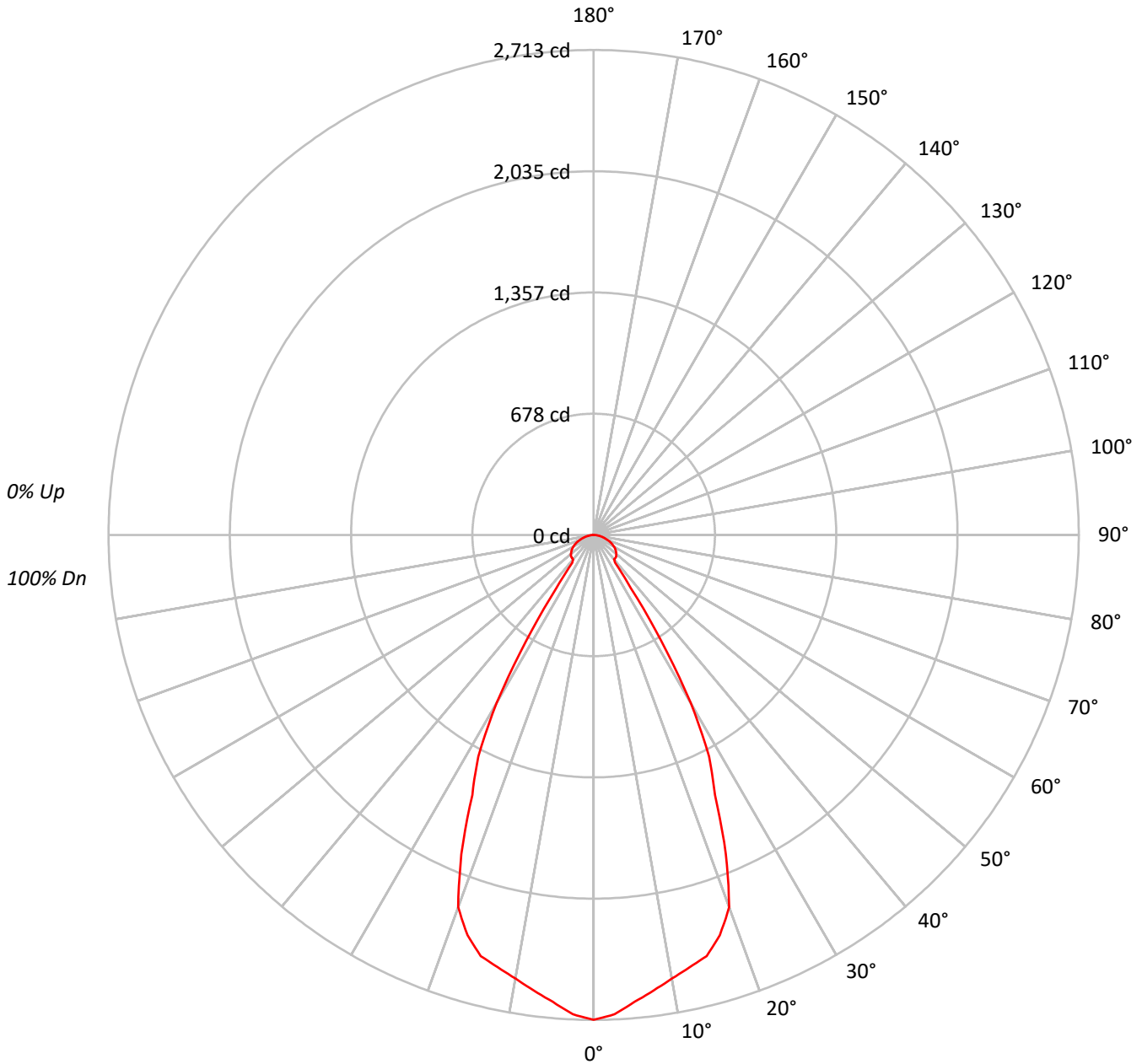
Downlight



TEST NUMBER: P746653

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	296381
5°	287576
10°	279562
15°	275899
20°	257626
25°	193540
30°	136812
35°	48471
40°	25474
45°	27149
50°	28115
55°	28631
60°	28801
65°	28206
70°	26611
75°	24654
80°	21896
85°	17801

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 28815 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	10.3
10°-20°	678.4	28.1
20°-30°	747.1	31.0
30°-40°	285.5	11.8
40°-50°	134.8	5.6
50°-60°	134.0	5.6
60°-70°	107.3	4.4
70°-80°	61.7	2.6
80°-90°	16.8	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°	1672.8	69.3
0°-40°	1958.3	81.2
0°-60°	2227.0	92.3
0°-90°	2412.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2412.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2713	
5°	2622	247
15°	2439	678
25°	1605	747
35°	363	285
45°	176	135
55°	150	134
65°	109	107
75°	58	62
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2712.6
2.5°	2684.3
5°	2622.0
7.5°	2570.0
10°	2519.8
12.5°	2477.3
15°	2439.1
17.5°	2346.7
20°	2215.7
22.5°	1933.1
25°	1605.4
27.5°	1397.5
30°	1084.4
32.5°	700.5
35°	363.4
37.5°	196.3
40°	178.6
42.5°	177.4
45°	175.7
47.5°	171.8
50°	165.4
52.5°	158.1
55°	150.3
57.5°	141.7
60°	131.8
62.5°	120.7
65°	109.1
67.5°	96.2
70°	83.3
72.5°	70.4
75°	58.4
77.5°	46.0
80°	34.8
82.5°	24.5
85°	14.2
87.5°	5.6
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)