

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: P746666

Luminaire Tested: LD4D30D010-EU4DR7020359050-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746666
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-EU4DR7020359050-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2384.3 lumens
Efficiency: N/A
Efficacy: 82.2 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



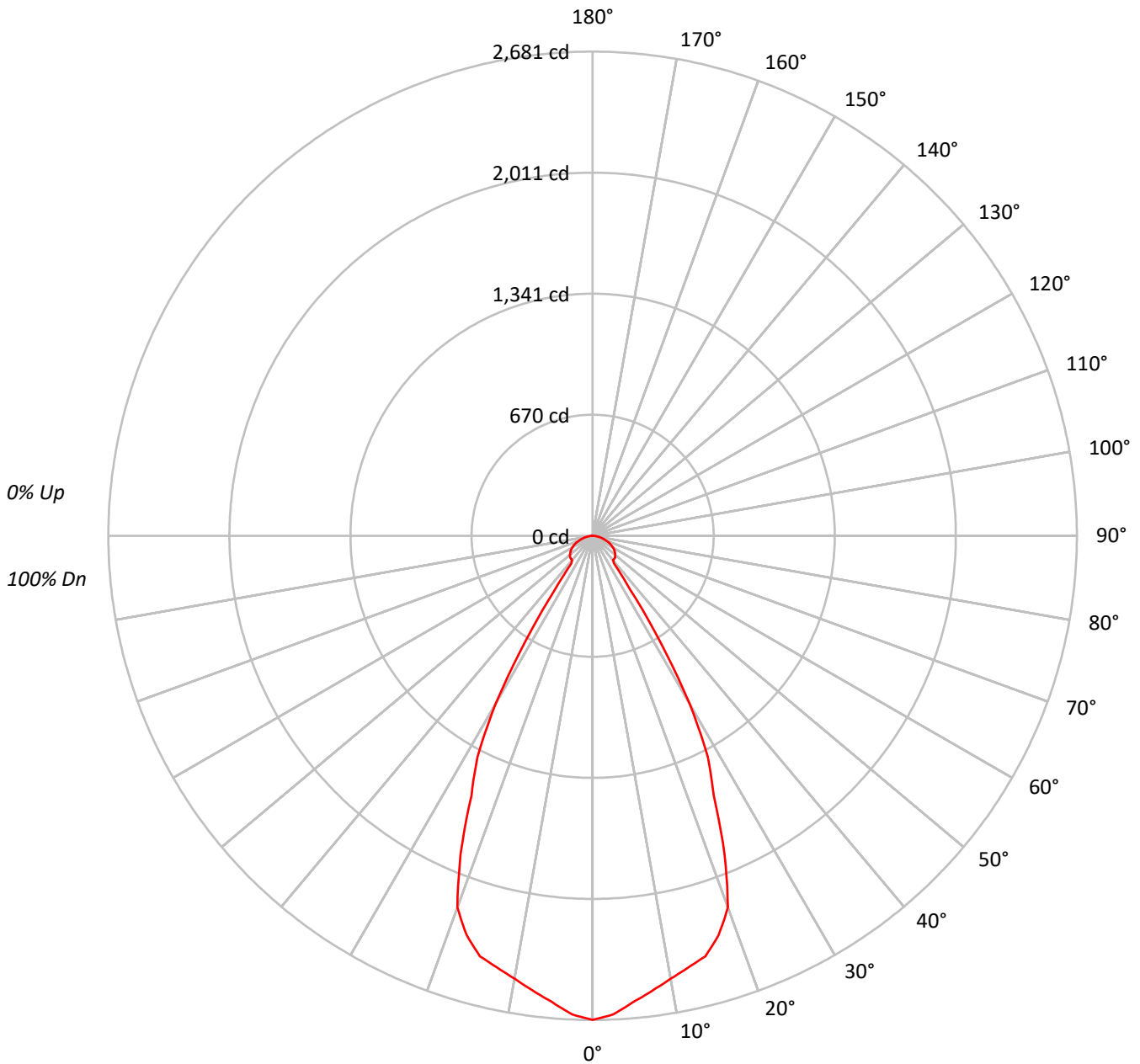
Downlight



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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	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°	292884
5°	284187
10°	276256
15°	272641
20°	254591
25°	191262
30°	135197
35°	47898
40°	25188
45°	26824
50°	27775
55°	28307
60°	28473
65°	27870
70°	26291
75°	24358
80°	21645
85°	17551

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 28490 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.4	10.2
10°-20°	670.4	28.1
20°-30°	738.3	31.0
30°-40°	282.1	11.8
40°-50°	133.2	5.6
50°-60°	132.4	5.6
60°-70°	106.0	4.4
70°-80°	60.9	2.6
80°-90°	16.6	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°	1653.1	69.3
0°-40°	1935.1	81.2
0°-60°	2200.8	92.3
0°-90°	2384.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2384.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2681	
5°	2591	244
15°	2410	670
25°	1586	738
35°	359	282
45°	174	133
55°	149	132
65°	108	106
75°	58	61
85°	14	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2680.6
2.5°	2652.6
5°	2591.1
7.5°	2539.7
10°	2490.0
12.5°	2448.0
15°	2410.3
17.5°	2319.0
20°	2189.6
22.5°	1910.3
25°	1586.5
27.5°	1381.0
30°	1071.6
32.5°	692.2
35°	359.1
37.5°	193.9
40°	176.6
42.5°	175.3
45°	173.6
47.5°	169.8
50°	163.4
52.5°	156.2
55°	148.6
57.5°	140.1
60°	130.3
62.5°	119.3
65°	107.8
67.5°	95.1
70°	82.3
72.5°	69.6
75°	57.7
77.5°	45.4
80°	34.4
82.5°	24.2
85°	14.0
87.5°	5.5
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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(END OF REPORT)