

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: P746303

Luminaire Tested: LD4D30D010-EU4DR5020359030-4LBCSSQMB

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P746303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR5020359030-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2682.6 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

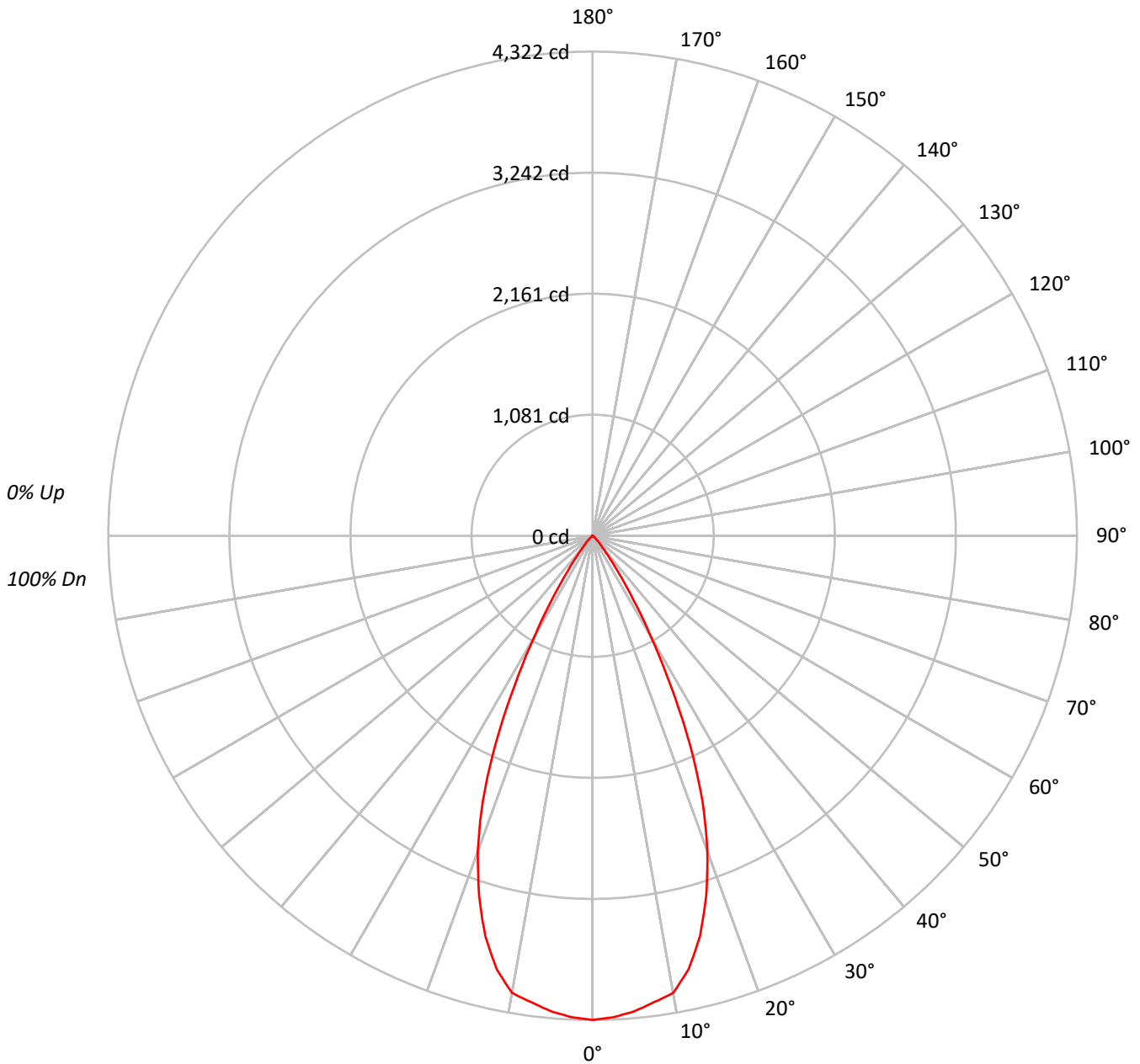


Downlight



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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									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	0													
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100													
	1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95	95	95	95	95	95													
	2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	90	90	90	90													
	3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	85	85	85	85													
	4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80	80	80	80	80	80													
	5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76	76	76	76	76	76													
	6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72	72	72	72	72	72													
	7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69	69	69													
	8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65	65	65	65	65	65													
	9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62	62	62	62	62	62													
	10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59	59	59	59	59	59													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	472269
5°	467317
10°	459617
15°	418514
20°	348260
25°	247212
30°	130857
35°	53313
40°	19797
45°	9070
50°	3723
55°	1943
60°	961
65°	284
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9070 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.7	15.0
10°-20°	1017.8	37.9
20°-30°	914.2	34.1
30°-40°	286.2	10.7
40°-50°	50.1	1.9
50°-60°	10.0	0.4
60°-70°	1.5	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2334.8	87.0
0°-40°	2621.0	97.7
0°-60°	2681.1	99.9
0°-90°	2682.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2682.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4322	
5°	4261	403
15°	3700	1018
25°	2051	914
35°	400	286
45°	59	50
55°	10	10
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4322.4
2.5°	4300.9
5°	4260.8
7.5°	4199.6
10°	4142.7
12.5°	3960.5
15°	3699.9
17.5°	3369.1
20°	2995.2
22.5°	2562.6
25°	2050.6
27.5°	1507.6
30°	1037.2
32.5°	675.3
35°	399.7
37.5°	229.6
40°	138.8
42.5°	90.4
45°	58.7
47.5°	35.7
50°	21.9
52.5°	15.0
55°	10.2
57.5°	6.9
60°	4.4
62.5°	2.6
65°	1.1
67.5°	0.3
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)