

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: P742762

Luminaire Tested: LD4D10D010-EU4DR700210IC9035-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P742762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D10D010-EU4DR700210IC9035-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1057.8 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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



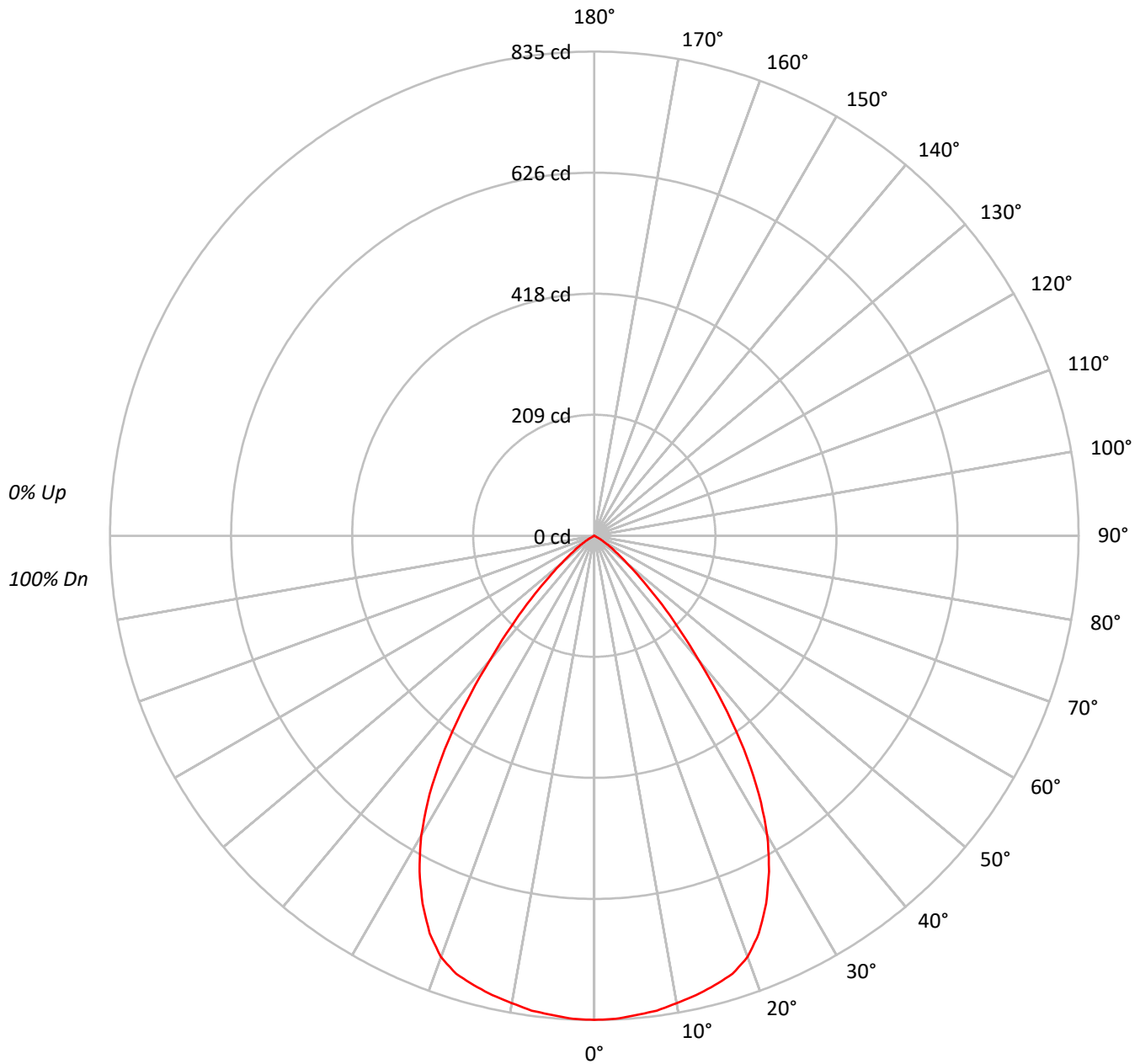
Downlight



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Luminous Intensity Polar Plot



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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	100	100			
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93	93	93	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85			
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78	78	78	78			
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71	71	71	71			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65	65	65	65			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60	60	60	60			
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56	56	56	56			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51	51	51	51			
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48	48	48	48			
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44	44	44	44			

	0°
0°	91222
5°	90989
10°	90798
15°	90775
20°	89879
25°	84437
30°	75269
35°	60009
40°	39851
45°	23827
50°	12358
55°	6496
60°	2294
65°	52
70°	0
75°	0
80°	0
85°	0

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 23827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	7.5
10°-20°	226.3	21.4
20°-30°	319.2	30.2
30°-40°	275.6	26.1
40°-50°	123.4	11.7
50°-60°	32.3	3.1
60°-70°	2.1	0.2
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°	624.4	59.0
0°-40°	900.0	85.1
0°-60°	1055.7	99.8
0°-90°	1057.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1057.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	835	
5°	830	79
15°	802	226
25°	700	319
35°	450	276
45°	154	123
55°	34	32
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	834.9
2.5°	834.0
5°	829.6
7.5°	826.0
10°	818.4
12.5°	811.5
15°	802.5
17.5°	792.1
20°	773.0
22.5°	741.7
25°	700.4
27.5°	652.5
30°	596.6
32.5°	528.3
35°	449.9
37.5°	363.5
40°	279.4
42.5°	212.3
45°	154.2
47.5°	106.3
50°	72.7
52.5°	50.1
55°	34.1
57.5°	20.6
60°	10.5
62.5°	3.3
65°	0.2
67.5°	0.0
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



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— 0°-180°







(END OF REPORT)