

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P839892

Luminaire Tested: **LDS4C25D010 EU4259050 4LBSH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C25D010 EU4259050 4LBSH
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

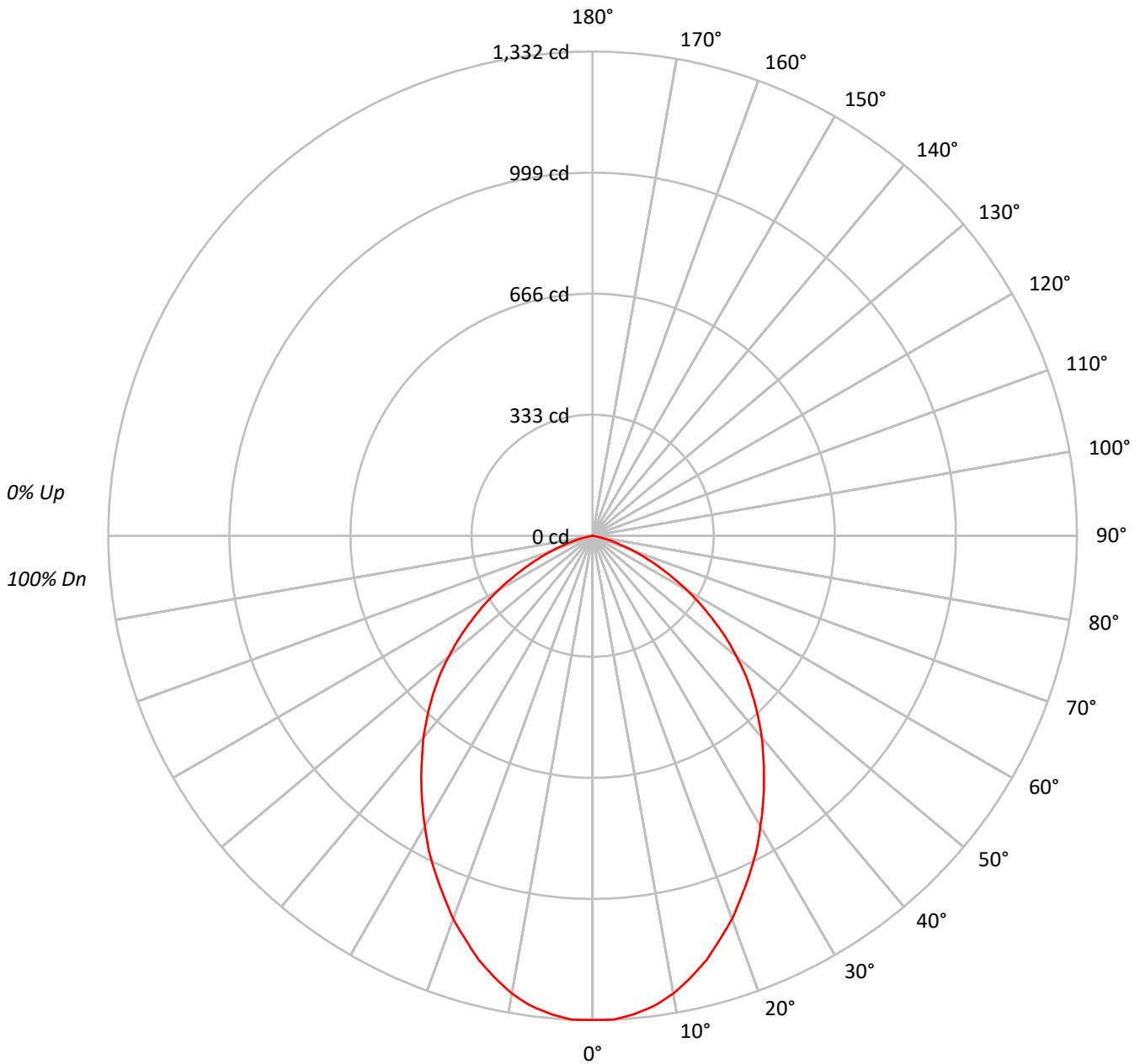
Lumens per Lamp: N/A
Luminaire Lumens: 2547.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V):
Input Current (A_{in}): 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: 25 FT

TEST NUMBER: P839892

CATALOG NUMBER: LDS4C25D010 EU4259050 4LBSH

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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	163653
5°	162897
10°	159529
15°	153731
20°	146649
25°	138753
30°	130879
35°	123236
40°	116030
45°	108171
50°	98621
55°	87110
60°	73737
65°	57878
70°	41308
75°	22642
80°	3962
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.8	4.9
10°-20°	339.1	13.3
20°-30°	471.0	18.5
30°-40°	513.9	20.2
40°-50°	479.4	18.8
50°-60°	363.9	14.3
60°-70°	199.3	7.8
70°-80°	54.8	2.2
80°-90°	0.8	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°	934.9	36.7
0°-40°	1448.8	56.9
0°-60°	2292.2	90.0
0°-90°	2547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2547.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1332	
5°	1321	125
15°	1209	339
25°	1024	471
35°	822	514
45°	623	479
55°	407	364
65°	199	199
75°	48	55
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1332.1
2.5°	1332.1
5°	1320.9
7.5°	1304.1
10°	1278.8
12.5°	1245.2
15°	1208.7
17.5°	1163.9
20°	1121.7
22.5°	1071.3
25°	1023.6
27.5°	975.9
30°	922.6
32.5°	872.1
35°	821.7
37.5°	771.2
40°	723.5
42.5°	673.0
45°	622.6
47.5°	572.1
50°	516.0
52.5°	462.7
55°	406.7
57.5°	353.3
60°	300.1
62.5°	246.8
65°	199.1
67.5°	154.2
70°	115.0
72.5°	78.5
75°	47.7
77.5°	22.4
80°	5.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)