

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: P839854

Luminaire Tested: **LDS4C25D010 EU4259027 4LBSWH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839854
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 EU4259027 4LBSWH
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBS TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

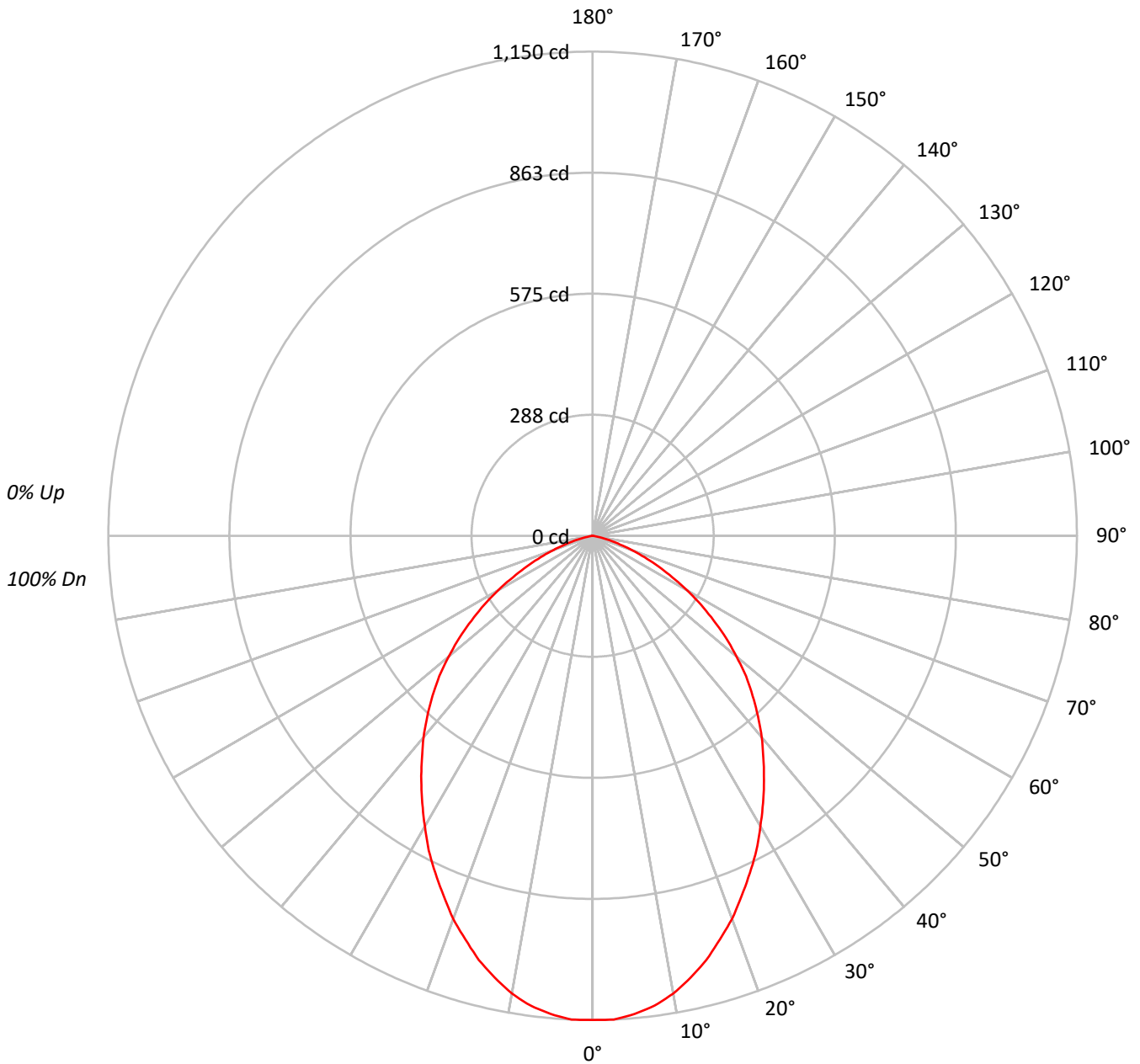
Lumens per Lamp: N/A
Luminaire Lumens: 2199.0 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P839854

CATALOG NUMBER: LDS4C25D010 EU4259027 4LBSWH

Luminous Intensity Polar Plot





TEST NUMBER: P839854

CATALOG NUMBER: LDS4C25D010 EU4259027 4LBSWH

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°	141294
5°	140637
10°	137735
15°	132720
20°	126620
25°	119789
30°	113005
35°	106393
40°	100186
45°	93386
50°	85147
55°	75202
60°	63663
65°	49971
70°	35669
75°	19556
80°	3467
85°	0



TEST NUMBER: P839854

CATALOG NUMBER: LDS4C25D010 EU4259027 4LBSWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	4.9
10°-20°	292.8	13.3
20°-30°	406.6	18.5
30°-40°	443.7	20.2
40°-50°	413.9	18.8
50°-60°	314.2	14.3
60°-70°	172.0	7.8
70°-80°	47.4	2.2
80°-90°	0.7	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°	807.1	36.7
0°-40°	1250.9	56.9
0°-60°	1979.0	90.0
0°-90°	2199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2199.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1150	
5°	1140	108
15°	1044	293
25°	884	407
35°	709	444
45°	538	414
55°	351	314
65°	172	172
75°	41	47
85°	0	1
90°	0	



TEST NUMBER: P839854

CATALOG NUMBER: LDS4C25D010 EU4259027 4LBSWH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1150.1
2.5°	1150.1
5°	1140.4
7.5°	1125.9
10°	1104.1
12.5°	1075.0
15°	1043.5
17.5°	1004.8
20°	968.5
22.5°	924.9
25°	883.7
27.5°	842.6
30°	796.6
32.5°	753.0
35°	709.4
37.5°	665.8
40°	624.7
42.5°	581.1
45°	537.5
47.5°	493.9
50°	445.5
52.5°	399.5
55°	351.1
57.5°	305.1
60°	259.1
62.5°	213.1
65°	171.9
67.5°	133.1
70°	99.3
72.5°	67.8
75°	41.2
77.5°	19.4
80°	4.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)