

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: P839641

Luminaire Tested: **LDS4C08D010 EU4089050 4LBSGPH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C08D010 EU4089050 4LBSGPH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LBS TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

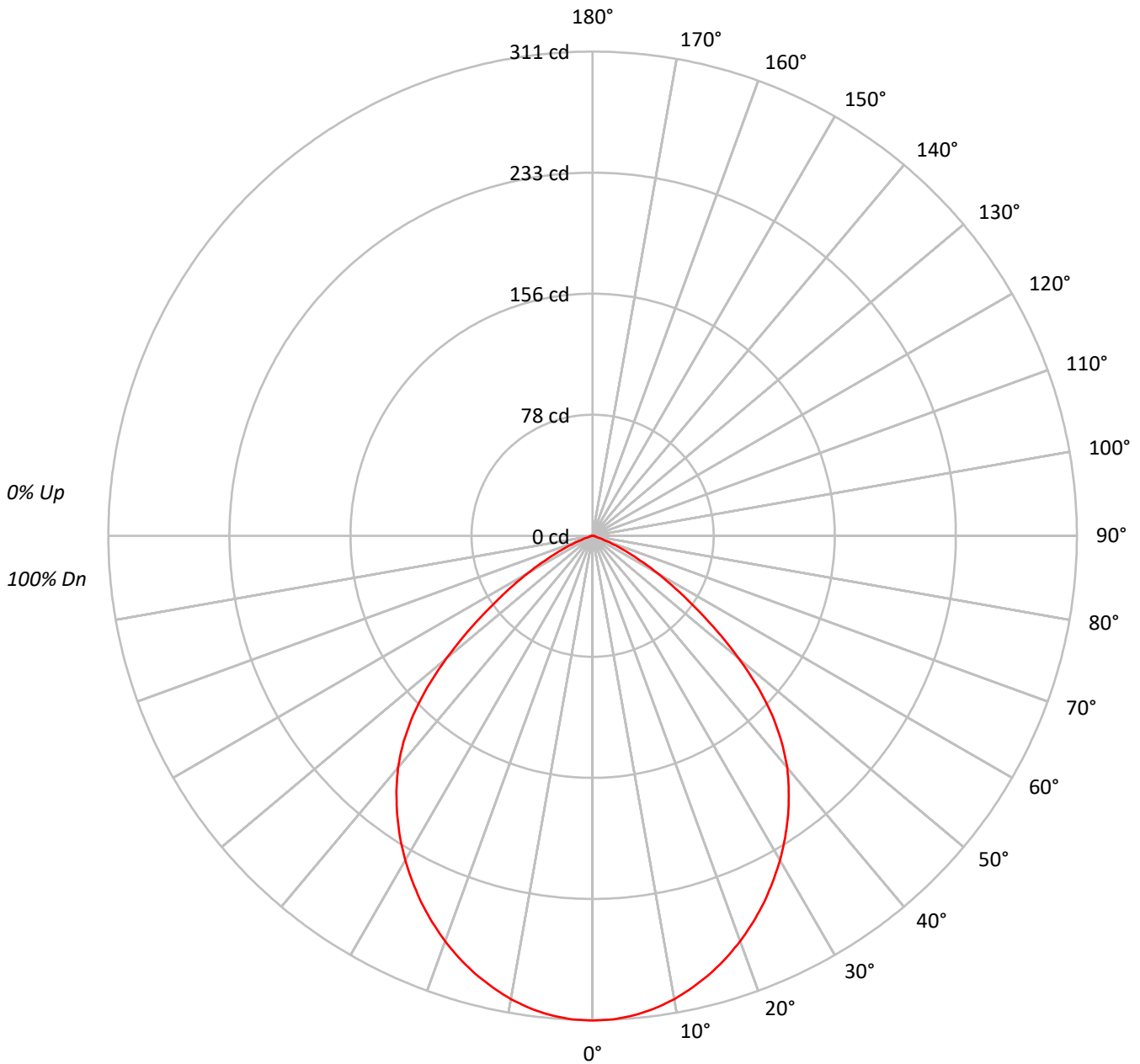
Lumens per Lamp: N/A
Luminaire Lumens: 593.0 lumens
Efficiency: N/A
Efficacy: 59.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P839641

CATALOG NUMBER: LDS4C08D010 EU4089050 4LBSGPH

Luminous Intensity Polar Plot





TEST NUMBER: P839641

CATALOG NUMBER: LDS4C08D010 EU4089050 4LBSGPH

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	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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90																											
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79																											
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70																											
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62																											
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55																											
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49																											
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44																											
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40																											
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36																											
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38257
5°	38119
10°	37699
15°	37050
20°	36227
25°	35258
30°	34145
35°	32830
40°	31177
45°	28337
50°	23394
55°	17221
60°	11696
65°	6860
70°	2694
75°	617
80°	778
85°	1410



TEST NUMBER: P839641

CATALOG NUMBER: LDS4C08D010 EU4089050 4LBSGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	4.9
10°-20°	82.0	13.8
20°-30°	119.7	20.2
30°-40°	136.6	23.0
40°-50°	124.2	20.9
50°-60°	73.2	12.3
60°-70°	24.6	4.1
70°-80°	2.6	0.4
80°-90°	0.9	0.2
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°	231.0	38.9
0°-40°	367.6	62.0
0°-60°	565.0	95.3
0°-90°	593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	311	
5°	309	29
15°	291	82
25°	260	120
35°	219	137
45°	163	124
55°	80	73
65°	24	25
75°	1	3
85°	1	1
90°	0	



TEST NUMBER: P839641

CATALOG NUMBER: LDS4C08D010 EU4089050 4LBSGPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	311.4
2.5°	310.9
5°	309.1
7.5°	306.2
10°	302.2
12.5°	297.1
15°	291.3
17.5°	284.6
20°	277.1
22.5°	268.9
25°	260.1
27.5°	250.5
30°	240.7
32.5°	230.0
35°	218.9
37.5°	206.9
40°	194.4
42.5°	179.8
45°	163.1
47.5°	143.9
50°	122.4
52.5°	101.0
55°	80.4
57.5°	63.0
60°	47.6
62.5°	34.5
65°	23.6
67.5°	14.4
70°	7.5
72.5°	2.9
75°	1.3
77.5°	1.3
80°	1.1
82.5°	1.0
85°	1.0
87.5°	0.8
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)