

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: P839811

Luminaire Tested: **LDS4C20D010 EU4209030 4LBSGPH**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839811
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: LDS4C20D010 EU4209030 4LBSGPH
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

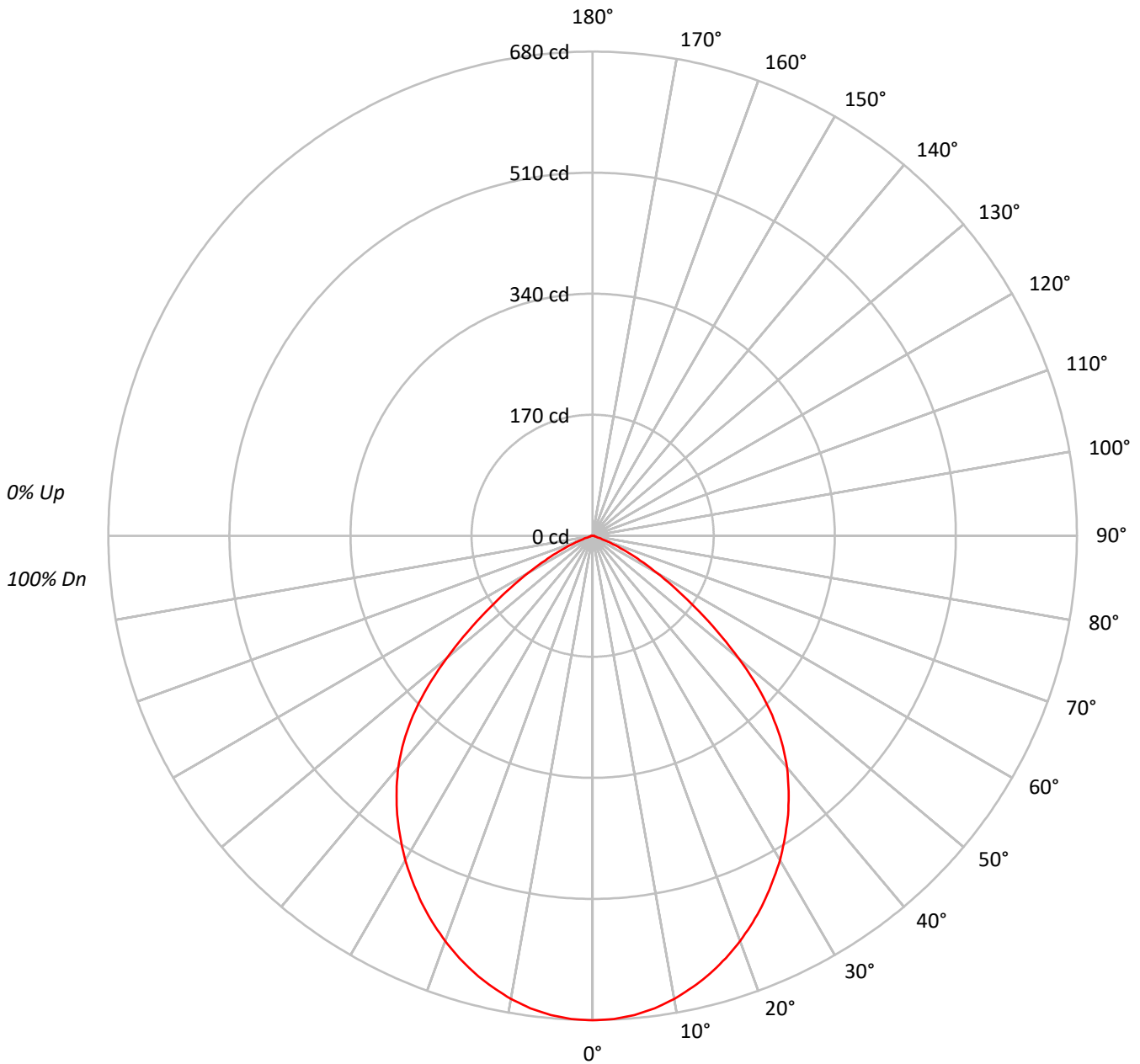
Lumens per Lamp: N/A
Luminaire Lumens: 1296.0 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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: P839811

CATALOG NUMBER: LDS4C20D010 EU4209030 4LBSGPH

Luminous Intensity Polar Plot





TEST NUMBER: P839811

CATALOG NUMBER: LDS4C20D010 EU4209030 4LBSGPH

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			100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83602
5°	83317
10°	82397
15°	80980
20°	79175
25°	77049
30°	74632
35°	71749
40°	68127
45°	61939
50°	51145
55°	37654
60°	25554
65°	14971
70°	5927
75°	1329
80°	1769
85°	2960



TEST NUMBER: P839811

CATALOG NUMBER: LDS4C20D010 EU4209030 4LBSGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	4.9
10°-20°	179.3	13.8
20°-30°	261.5	20.2
30°-40°	298.5	23.0
40°-50°	271.4	20.9
50°-60°	160.0	12.3
60°-70°	53.7	4.1
70°-80°	5.6	0.4
80°-90°	2.0	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°	504.8	39.0
0°-40°	803.3	62.0
0°-60°	1234.7	95.3
0°-90°	1296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1296.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	680	
5°	676	64
15°	637	179
25°	568	262
35°	478	299
45°	356	271
55°	176	160
65°	52	54
75°	3	6
85°	2	2
90°	0	



TEST NUMBER: P839811

CATALOG NUMBER: LDS4C20D010 EU4209030 4LBSGPH

CANDELA DISTRIBUTION (FULL):

	0°
0°	680.5
2.5°	679.5
5°	675.6
7.5°	669.3
10°	660.5
12.5°	649.3
15°	636.7
17.5°	622.0
20°	605.6
22.5°	587.7
25°	568.4
27.5°	547.4
30°	526.1
32.5°	502.6
35°	478.4
37.5°	452.2
40°	424.8
42.5°	393.0
45°	356.5
47.5°	314.5
50°	267.6
52.5°	220.6
55°	175.8
57.5°	137.6
60°	104.0
62.5°	75.3
65°	51.5
67.5°	31.5
70°	16.5
72.5°	6.3
75°	2.8
77.5°	2.8
80°	2.5
82.5°	2.1
85°	2.1
87.5°	1.8
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)