

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: P#

Luminaire Tested: **LD4C20D010 EX4C209035 4LBSQH**

Issue Date: 2/9/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C20D010 EX4C209035 4LBSQH
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

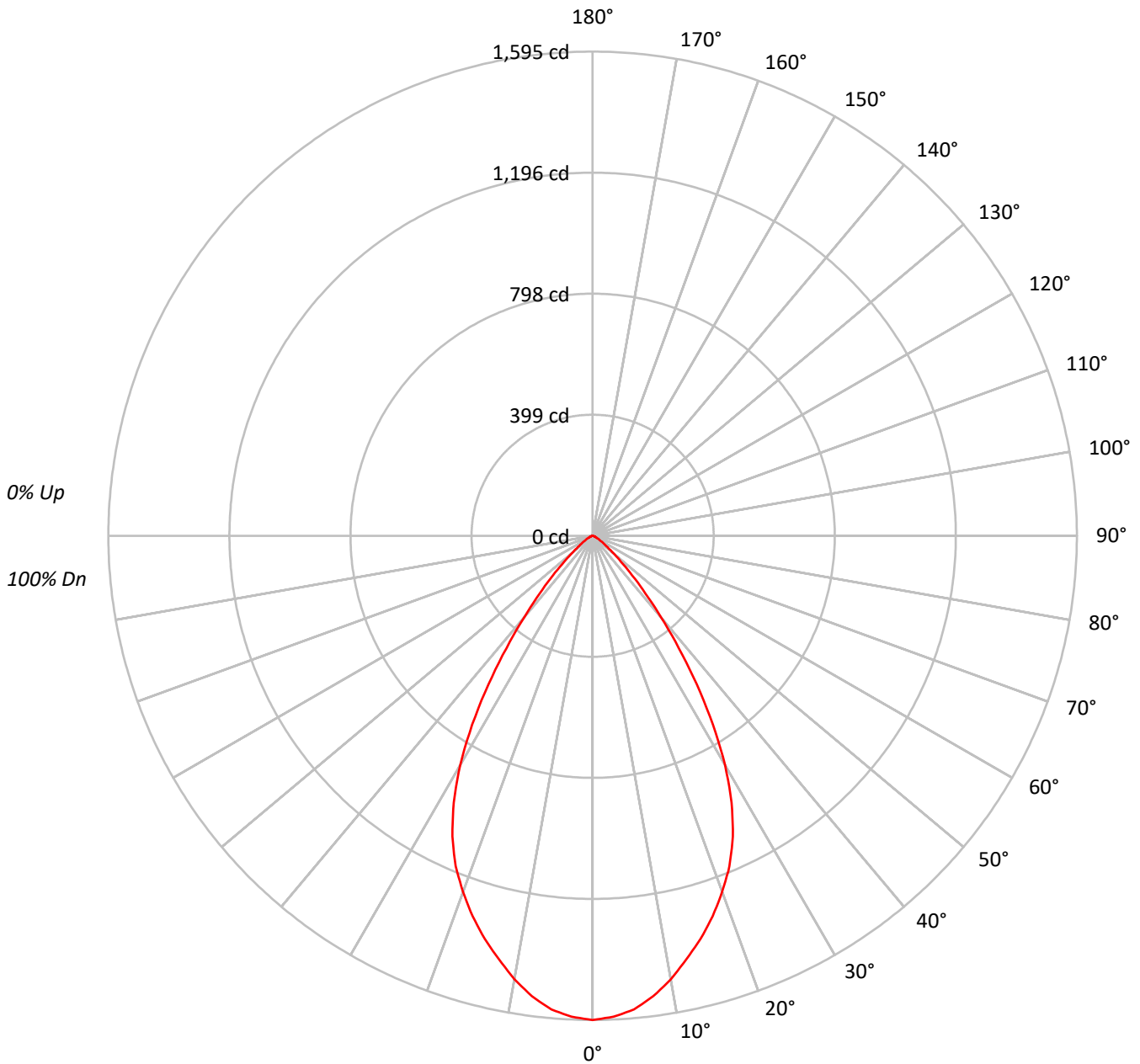
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1609.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V):
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: 25 FT

TEST NUMBER: P#
CATALOG NUMBER: LD4C20D010 EX4C209035 4LBSQH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C20D010 EX4C209035 4LBSQH

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	153938
5°	151708
10°	145369
15°	137302
20°	128157
25°	116344
30°	97132
35°	70368
40°	44047
45°	25176
50°	13135
55°	7351
60°	4689
65°	2763
70°	2059
75°	895
80°	1334
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD4C20D010 EX4C209035 4LBSQH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.8	9.1
10°-20°	385.1	23.9
20°-30°	495.0	30.8
30°-40°	372.4	23.1
40°-50°	149.6	9.3
50°-60°	42.5	2.6
60°-70°	13.4	0.8
70°-80°	3.8	0.2
80°-90°	0.3	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°	1026.9	63.8
0°-40°	1399.3	87.0
0°-60°	1591.4	98.9
0°-90°	1609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1609.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1595	
5°	1566	147
15°	1374	385
25°	1093	495
35°	597	372
45°	184	150
55°	44	43
65°	12	13
75°	2	4
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD4C20D010 EX4C209035 4LBSQH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1595.4
2.5°	1585.7
5°	1566.3
7.5°	1529.8
10°	1483.7
12.5°	1427.9
15°	1374.5
17.5°	1313.7
20°	1248.1
22.5°	1177.8
25°	1092.8
27.5°	990.7
30°	871.8
32.5°	738.2
35°	597.4
37.5°	466.2
40°	349.7
42.5°	257.4
45°	184.5
47.5°	126.3
50°	87.5
52.5°	60.7
55°	43.7
57.5°	31.6
60°	24.3
62.5°	17.0
65°	12.1
67.5°	9.7
70°	7.3
72.5°	4.9
75°	2.4
77.5°	2.4
80°	2.4
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)