

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 EX4C209050 4LBSQH**

Issue Date: 2/9/2022



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 EX4C209050 4LBSQH
Description: 4 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

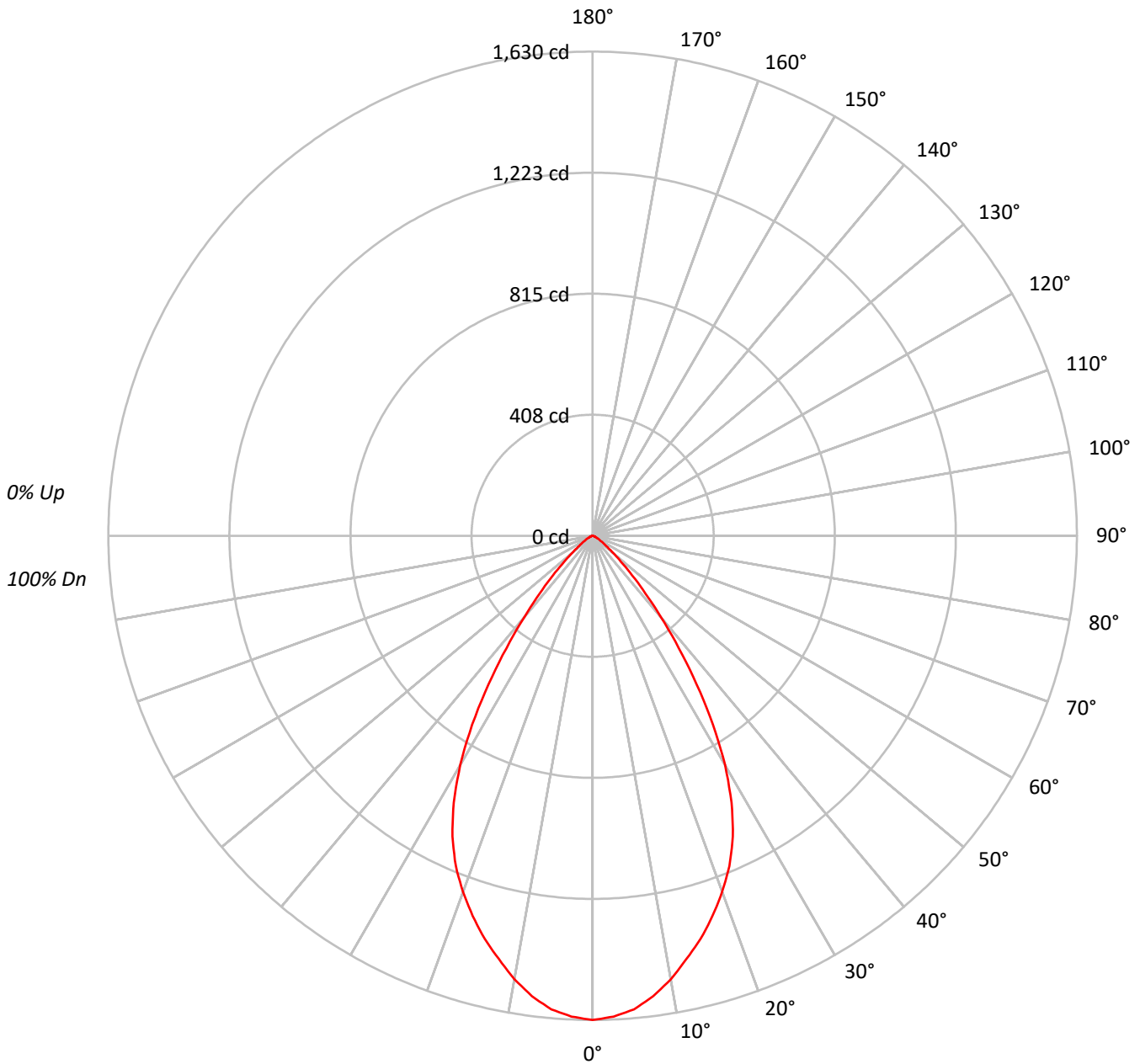
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1644.0 lumens
Efficiency: N/A
Efficacy: 75.4 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 (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: P#
CATALOG NUMBER: LD4C20D010 EX4C209050 4LBSQH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C20D010 EX4C209050 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°	157287
5°	155001
10°	148524
15°	140289
20°	130950
25°	118867
30°	99249
35°	71900
40°	45005
45°	25722
50°	13420
55°	7520
60°	4786
65°	2831
70°	2088
75°	932
80°	1389
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD4C20D010 EX4C209050 4LBSQH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.0	9.1
10°-20°	393.5	23.9
20°-30°	505.7	30.8
30°-40°	380.5	23.1
40°-50°	152.8	9.3
50°-60°	43.5	2.6
60°-70°	13.7	0.8
70°-80°	3.9	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°	1049.2	63.8
0°-40°	1429.7	87.0
0°-60°	1626.0	98.9
0°-90°	1644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1644.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1630	
5°	1600	150
15°	1404	394
25°	1116	506
35°	610	381
45°	188	153
55°	45	43
65°	12	14
75°	2	4
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD4C20D010 EX4C209050 4LBSQH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1630.1
2.5°	1620.2
5°	1600.3
7.5°	1563.1
10°	1515.9
12.5°	1459.0
15°	1404.4
17.5°	1342.3
20°	1275.3
22.5°	1203.4
25°	1116.5
27.5°	1012.3
30°	890.8
32.5°	754.3
35°	610.4
37.5°	476.4
40°	357.3
42.5°	263.0
45°	188.5
47.5°	129.1
50°	89.4
52.5°	62.1
55°	44.7
57.5°	32.3
60°	24.8
62.5°	17.4
65°	12.4
67.5°	9.9
70°	7.4
72.5°	5.0
75°	2.5
77.5°	2.5
80°	2.5
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)