

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: **LD4C90D010 EX4C909035 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: LD4C90D010 EX4C909035 4LBSQH
Description: 4 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

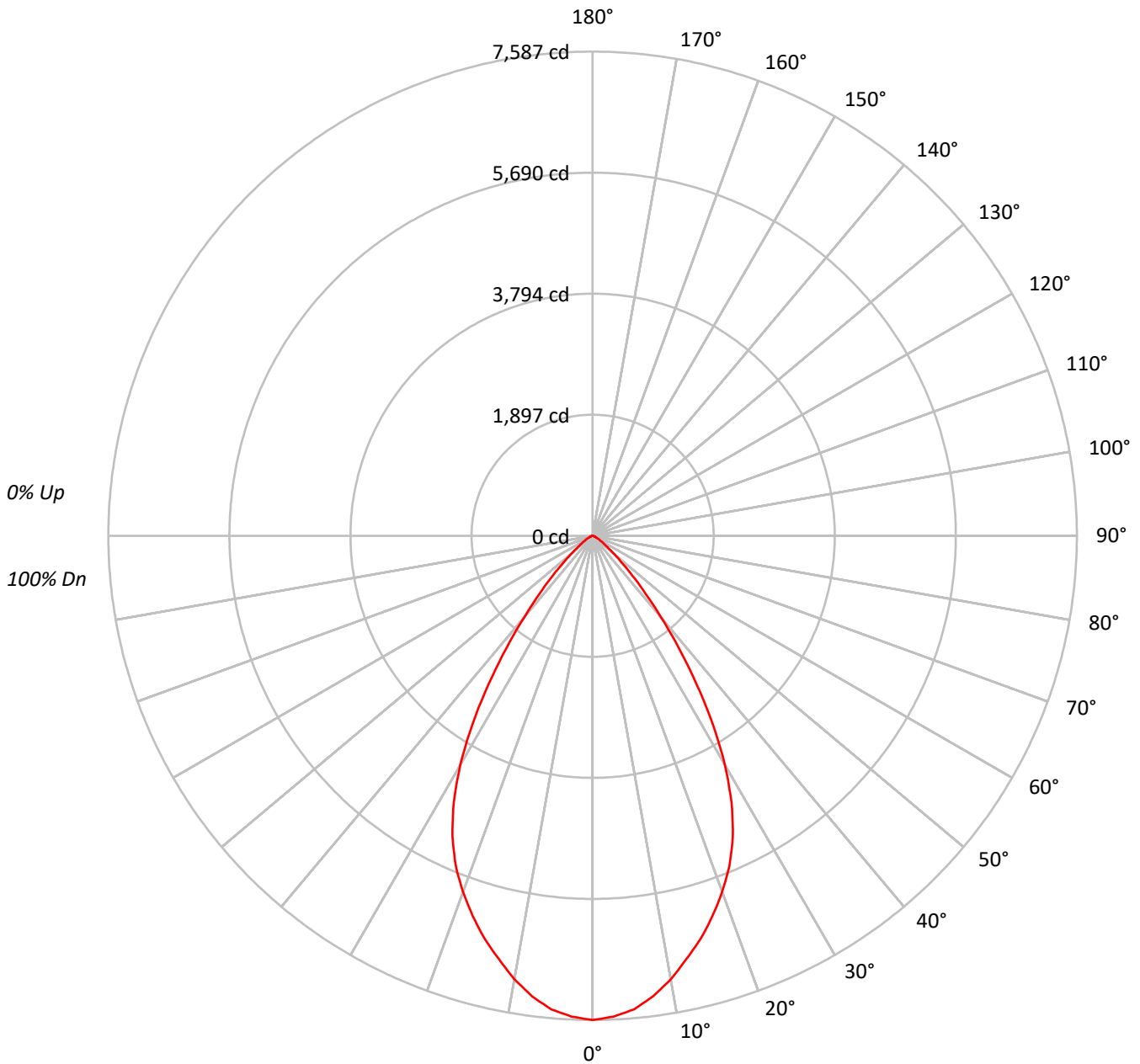
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7652.1 lumens
Efficiency: N/A
Efficacy: 78.8 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): 97.1
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: LD4C90D010 EX4C909035 4LBSQH

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C90D010 EX4C909035 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°	732100
5°	721472
10°	691328
15°	652958
20°	609496
25°	553281
30°	461941
35°	334657
40°	209492
45°	119740
50°	62431
55°	34990
60°	22289
65°	13196
70°	9789
75°	4325
80°	6446
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD4C90D010 EX4C909035 4LBSQH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	698.2	9.1
10°-20°	1831.6	23.9
20°-30°	2353.9	30.8
30°-40°	1771.0	23.1
40°-50°	711.3	9.3
50°-60°	202.2	2.6
60°-70°	64.0	0.8
70°-80°	18.3	0.2
80°-90°	1.6	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°	4883.7	63.8
0°-40°	6654.7	87.0
0°-60°	7568.2	98.9
0°-90°	7652.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7652.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7587	
5°	7449	698
15°	6537	1832
25°	5197	2354
35°	2841	1771
45°	878	711
55°	208	202
65°	58	64
75°	12	18
85°	0	2
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD4C90D010 EX4C909035 4LBSQH

CANDELA DISTRIBUTION (FULL):

	0°
0°	7587.4
2.5°	7541.2
5°	7448.8
7.5°	7275.5
10°	7056.0
12.5°	6790.8
15°	6536.6
17.5°	6247.8
20°	5935.8
22.5°	5601.3
25°	5196.9
27.5°	4711.7
30°	4146.1
32.5°	3510.7
35°	2841.1
37.5°	2217.2
40°	1663.2
42.5°	1224.1
45°	877.5
47.5°	600.8
50°	415.9
52.5°	288.8
55°	208.0
57.5°	150.2
60°	115.5
62.5°	80.9
65°	57.8
67.5°	46.2
70°	34.7
72.5°	23.1
75°	11.6
77.5°	11.6
80°	11.6
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)