

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: P859570

Luminaire Tested: **LX4C75D010 EX4C759035 4LBMDH**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P859570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C75D010 EX4C759035 4LBMDH
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

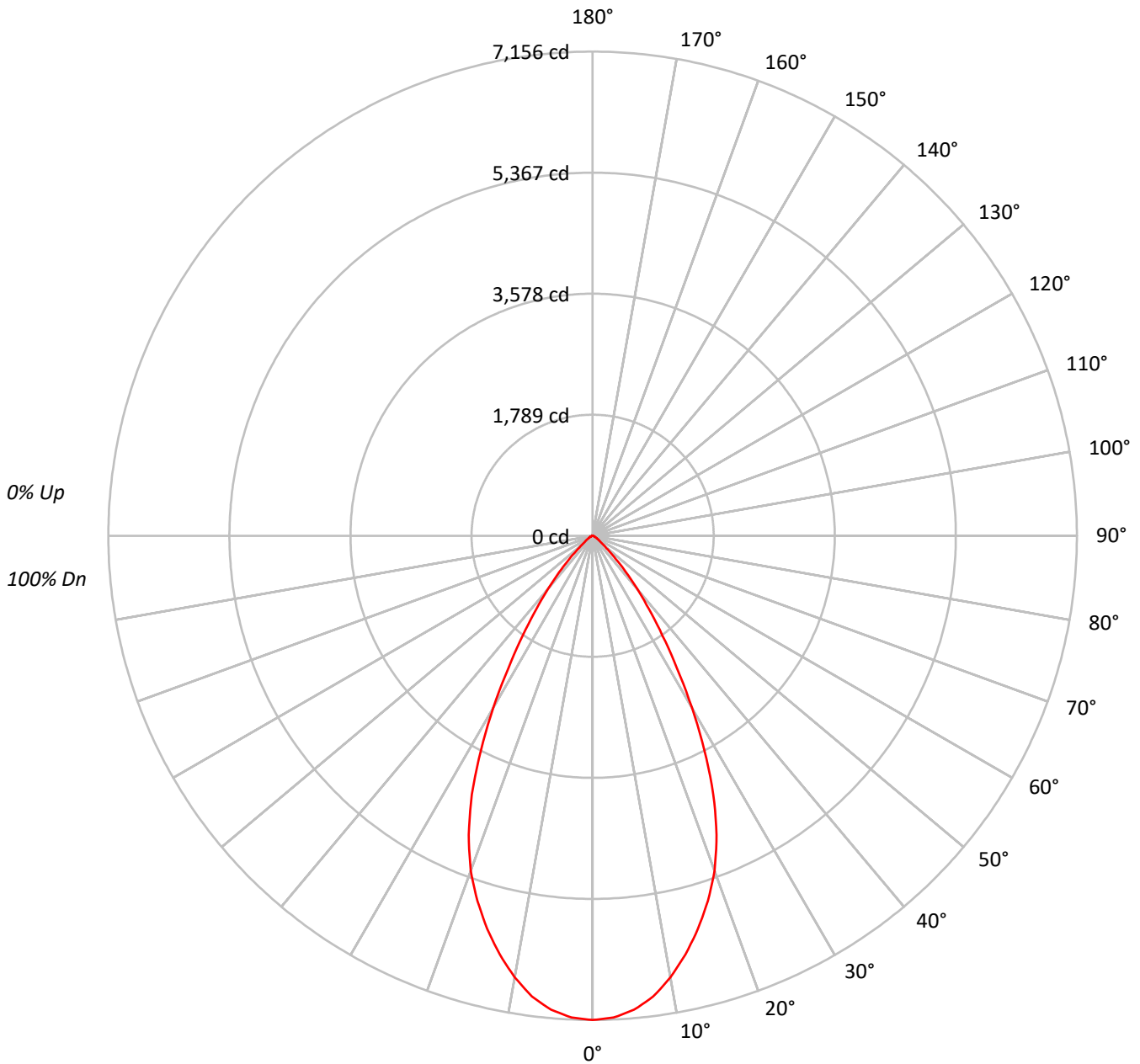
Lumens per Lamp: N/A
Luminaire Lumens: 5940.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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: P859570

CATALOG NUMBER: LX4C75D010 EX4C759035 4LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P859570

CATALOG NUMBER: LX4C75D010 EX4C759035 4LBMDH

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93																											
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																											
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81																											
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75																											
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70																											
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65																											
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61																											
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57																											
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54																											
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	879139
5°	867267
10°	826585
15°	764879
20°	688544
25°	572010
30°	415817
35°	269538
40°	163116
45°	84073
50°	38053
55°	22918
60°	15357
65°	11017
70°	8262
75°	5459
80°	3467
85°	2255



TEST NUMBER: P859570

CATALOG NUMBER: LX4C75D010 EX4C759035 4LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	658.4	11.1
10°-20°	1678.1	28.3
20°-30°	1897.6	31.9
30°-40°	1146.8	19.3
40°-50°	401.7	6.8
50°-60°	102.8	1.7
60°-70°	39.4	0.7
70°-80°	13.2	0.2
80°-90°	2.0	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°	4234.1	71.3
0°-40°	5380.9	90.6
0°-60°	5885.4	99.1
0°-90°	5940.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5940.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7156	
5°	7032	658
15°	6014	1678
25°	4220	1898
35°	1797	1147
45°	484	402
55°	107	103
65°	38	39
75°	12	13
85°	2	2
90°	0	



TEST NUMBER: P859570

CATALOG NUMBER: LX4C75D010 EX4C759035 4LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	7156.0
2.5°	7126.3
5°	7032.5
7.5°	6866.3
10°	6626.0
12.5°	6336.4
15°	6013.8
17.5°	5659.9
20°	5266.6
22.5°	4784.4
25°	4219.8
27.5°	3573.0
30°	2931.2
32.5°	2317.3
35°	1797.2
37.5°	1362.7
40°	1017.1
42.5°	730.7
45°	483.9
47.5°	297.9
50°	199.1
52.5°	143.2
55°	107.0
57.5°	82.3
60°	62.5
62.5°	49.4
65°	37.9
67.5°	29.6
70°	23.0
72.5°	16.5
75°	11.5
77.5°	8.2
80°	4.9
82.5°	3.3
85°	1.6
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)