

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: **LD4C75D010 EX4C759035 4LBSQH**

Issue Date: 2/9/2022



**Test Information**

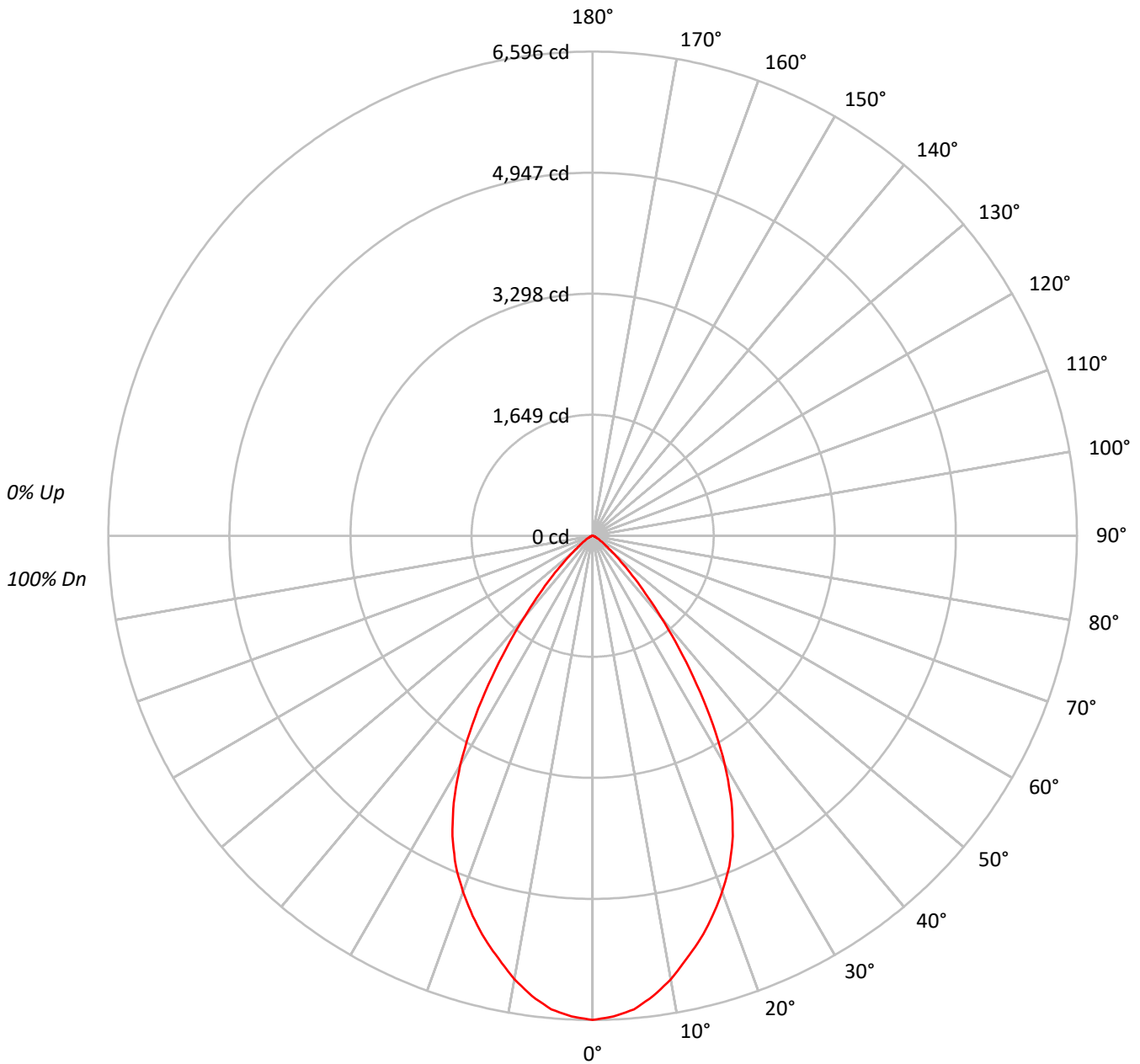
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C75D010 EX4C759035 4LBSQH  
Description: 4 INCH 7500 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: 6652.0 lumens  
Efficiency: N/A  
Efficacy: 81.6 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): 81.5  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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: LD4C75D010 EX4C759035 4LBSQH

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD4C75D010 EX4C759035 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	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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	82	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67	67	67	67
6	86	76	70	65	84	75	69	65	74	68	64	72	68	64	71	67	64	62	62	62	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58	58	58	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	54	54	54	54
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50	50	50	50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	52	48	47	47	47	47

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	636431
5°	627181
10°	600984
15°	567630
20°	529846
25°	480982
30°	401576
35°	290921
40°	182109
45°	104102
50°	54280
55°	30415
60°	19375
65°	11461
70°	8492
75°	3728
80°	5557
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD4C75D010 EX4C759035 4LBSQH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	606.9	9.1
10°-20°	1592.2	23.9
20°-30°	2046.3	30.8
30°-40°	1539.6	23.1
40°-50°	618.4	9.3
50°-60°	175.8	2.6
60°-70°	55.6	0.8
70°-80°	15.8	0.2
80°-90°	1.4	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°	4245.5	63.8
0°-40°	5785.0	87.0
0°-60°	6579.2	98.9
0°-90°	6652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6652.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6596	
5°	6475	607
15°	5682	1592
25°	4518	2046
35°	2470	1540
45°	763	618
55°	181	176
65°	50	56
75°	10	16
85°	0	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD4C75D010 EX4C759035 4LBSQH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6595.9
2.5°	6555.7
5°	6475.3
7.5°	6324.7
10°	6133.9
12.5°	5903.3
15°	5682.4
17.5°	5431.3
20°	5160.1
22.5°	4869.3
25°	4517.8
27.5°	4095.9
30°	3604.3
32.5°	3051.9
35°	2469.8
37.5°	1927.4
40°	1445.8
42.5°	1064.2
45°	762.9
47.5°	522.3
50°	361.6
52.5°	251.1
55°	180.8
57.5°	130.6
60°	100.4
62.5°	70.3
65°	50.2
67.5°	40.2
70°	30.1
72.5°	20.1
75°	10.0
77.5°	10.0
80°	10.0
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)