

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: P859604

Luminaire Tested: **LX4C75D010 EX4C759050 4LBSH**

Issue Date: 2/14/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P859604  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/14/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C75D010 EX4C759050 4LBSH  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

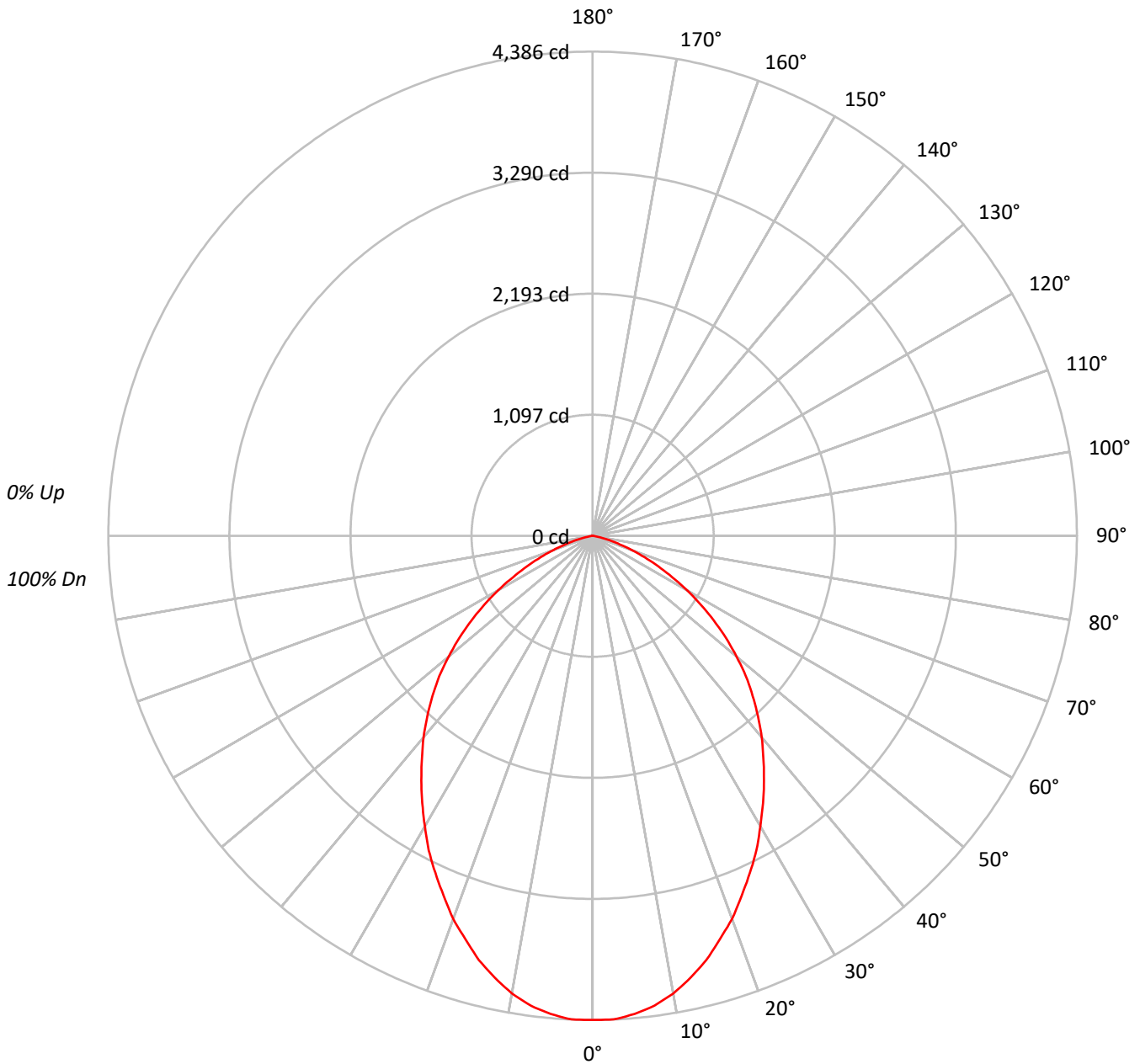
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8386.0 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 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

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### Luminous Intensity Polar Plot





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**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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

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

	0°
0°	538811
5°	536318
10°	525254
15°	506154
20°	482854
25°	456830
30°	430925
35°	405731
40°	382026
45°	356134
50°	324723
55°	286777
60°	242758
65°	190580
70°	136029
75°	74523
80°	13159
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	410.8	4.9
10°-20°	1116.6	13.3
20°-30°	1550.7	18.5
30°-40°	1692.1	20.2
40°-50°	1578.5	18.8
50°-60°	1198.1	14.3
60°-70°	656.0	7.8
70°-80°	180.6	2.2
80°-90°	2.5	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°	3078.1	36.7
0°-40°	4770.2	56.9
0°-60°	7546.8	90.0
0°-90°	8386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8386.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4386	
5°	4349	411
15°	3980	1117
25°	3370	1551
35°	2705	1692
45°	2050	1579
55°	1339	1198
65°	656	656
75°	157	181
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4385.8
2.5°	4385.8
5°	4348.9
7.5°	4293.7
10°	4210.5
12.5°	4099.7
15°	3979.6
17.5°	3832.0
20°	3693.3
22.5°	3527.1
25°	3370.1
27.5°	3213.3
30°	3037.7
32.5°	2871.5
35°	2705.3
37.5°	2539.2
40°	2382.1
42.5°	2215.9
45°	2049.8
47.5°	1883.6
50°	1699.0
52.5°	1523.4
55°	1338.9
57.5°	1163.3
60°	988.0
62.5°	812.6
65°	655.6
67.5°	507.7
70°	378.7
72.5°	258.6
75°	157.0
77.5°	73.8
80°	18.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)