

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: P859277

Luminaire Tested: **LD4C60D010 EU4609030 4LBMH**

Issue Date: 2/8/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P859277  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C60D010 EU4609030 4LBMH  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBM TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver:

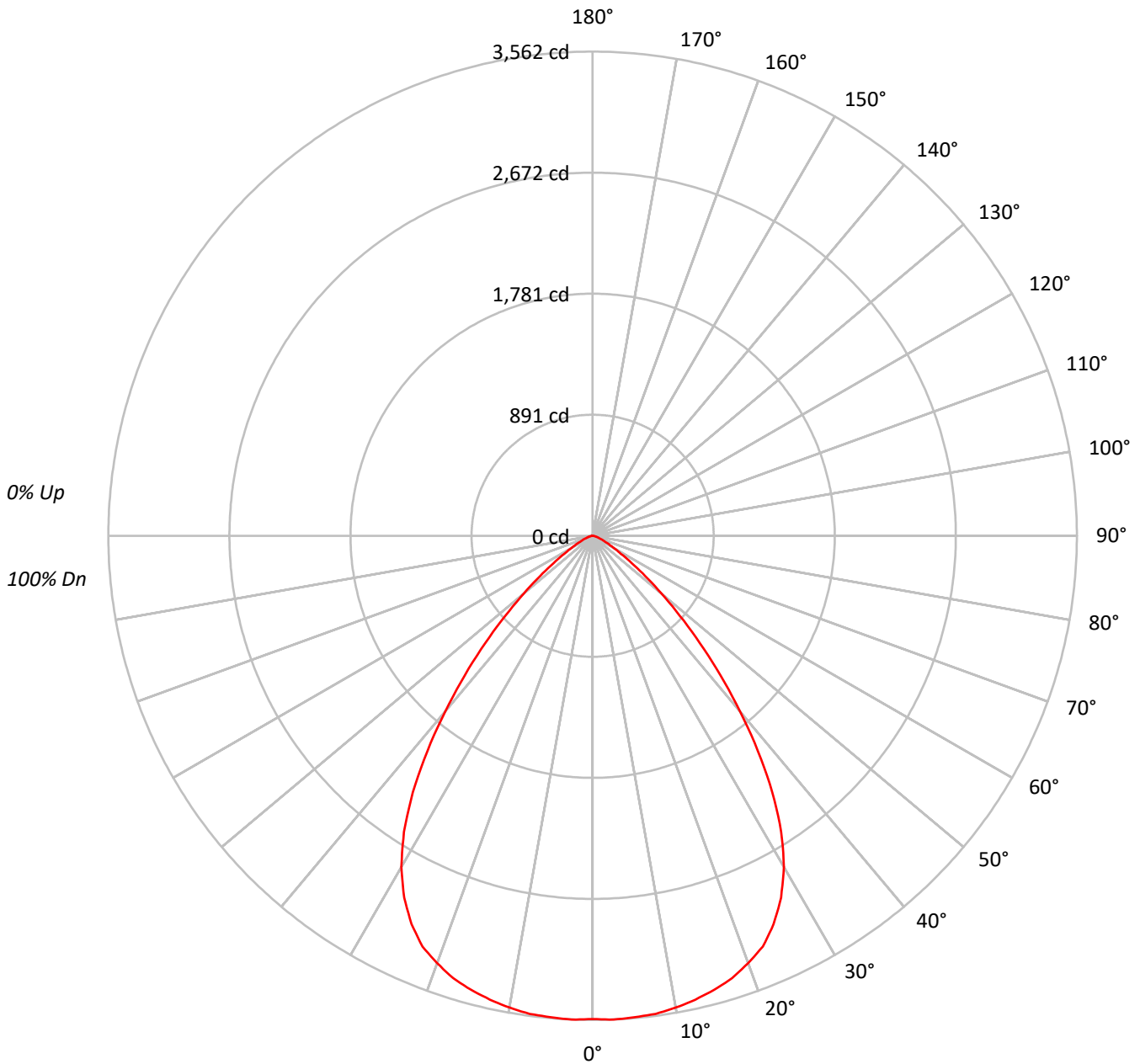
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5515.4 lumens  
Efficiency: N/A  
Efficacy: 56.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 97.5  
Input Voltage (V):  
Input Current (Ain): 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			100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			39

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

	0°
0°	436744
5°	438412
10°	439752
15°	439763
20°	437345
25°	427103
30°	399191
35°	345681
40°	270037
45°	193756
50°	125876
55°	75352
60°	44080
65°	28314
70°	18822
75°	14240
80°	10612
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.5	6.1
10°-20°	975.5	17.7
20°-30°	1439.5	26.1
30°-40°	1420.5	25.8
40°-50°	869.3	15.8
50°-60°	333.3	6.0
60°-70°	104.2	1.9
70°-80°	30.6	0.6
80°-90°	4.1	0.1
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°	2753.5	49.9
0°-40°	4174.0	75.7
0°-60°	5376.6	97.5
0°-90°	5515.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5515.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3555	
5°	3555	339
15°	3458	975
25°	3151	1439
35°	2305	1420
45°	1115	869
55°	352	333
65°	97	104
75°	30	31
85°	0	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3555.0
2.5°	3562.5
5°	3555.0
7.5°	3547.5
10°	3525.1
12.5°	3495.1
15°	3457.6
17.5°	3412.6
20°	3345.2
22.5°	3270.7
25°	3150.8
27.5°	3001.0
30°	2814.0
32.5°	2582.1
35°	2304.9
37.5°	1998.1
40°	1683.8
42.5°	1392.1
45°	1115.2
47.5°	868.0
50°	658.6
52.5°	486.6
55°	351.8
57.5°	246.9
60°	179.4
62.5°	134.9
65°	97.4
67.5°	74.9
70°	52.4
72.5°	37.5
75°	30.0
77.5°	15.0
80°	15.0
82.5°	7.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)