

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: P839327

Luminaire Tested: **LD4C55D010 EU4559027 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P839327
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: LD4C55D010 EU4559027 4LBSH
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

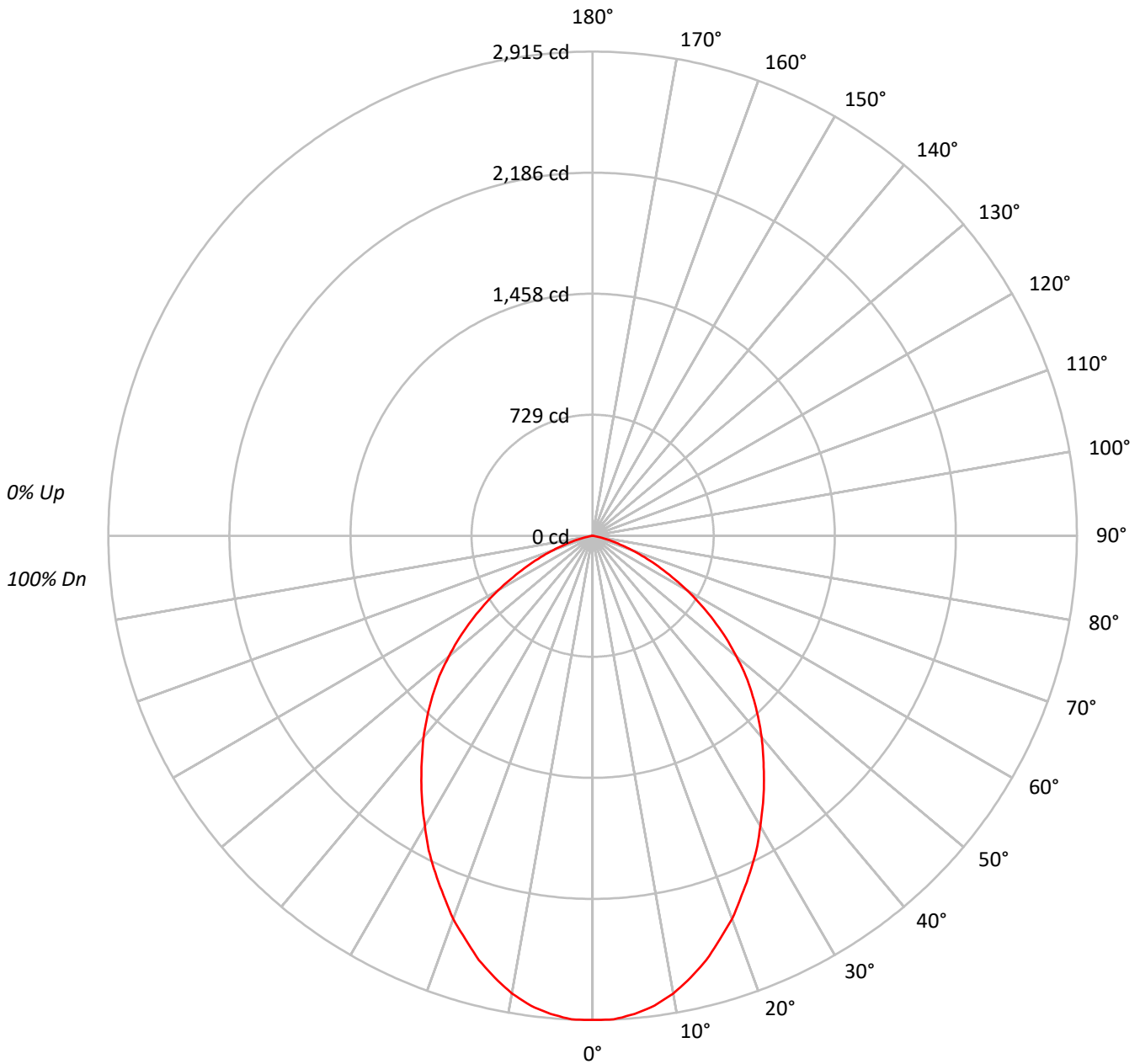
Lumens per Lamp: N/A
Luminaire Lumens: 5573.0 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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

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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°	358069
5°	356415
10°	349059
15°	336372
20°	320883
25°	303586
30°	286385
35°	269643
40°	253888
45°	236670
50°	215800
55°	190585
60°	161331
65°	126656
70°	90411
75°	49508
80°	8702
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.0	4.9
10°-20°	742.1	13.3
20°-30°	1030.5	18.5
30°-40°	1124.5	20.2
40°-50°	1049.0	18.8
50°-60°	796.2	14.3
60°-70°	436.0	7.8
70°-80°	120.0	2.2
80°-90°	1.7	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°	2045.6	36.7
0°-40°	3170.1	56.9
0°-60°	5015.3	90.0
0°-90°	5573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5573.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2915	
5°	2890	273
15°	2645	742
25°	2240	1031
35°	1798	1125
45°	1362	1049
55°	890	796
65°	436	436
75°	104	120
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2914.6
2.5°	2914.6
5°	2890.1
7.5°	2853.4
10°	2798.1
12.5°	2724.5
15°	2644.7
17.5°	2546.6
20°	2454.4
22.5°	2344.0
25°	2239.6
27.5°	2135.4
30°	2018.8
32.5°	1908.3
35°	1797.9
37.5°	1687.4
40°	1583.1
42.5°	1472.6
45°	1362.2
47.5°	1251.7
50°	1129.1
52.5°	1012.4
55°	889.8
57.5°	773.1
60°	656.6
62.5°	540.0
65°	435.7
67.5°	337.4
70°	251.7
72.5°	171.8
75°	104.3
77.5°	49.1
80°	12.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)