

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: P839411

Luminaire Tested: **LD4C80D010 EU4809040 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P839411
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: LD4C80D010 EU4809040 4LBSH
Description: 4 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

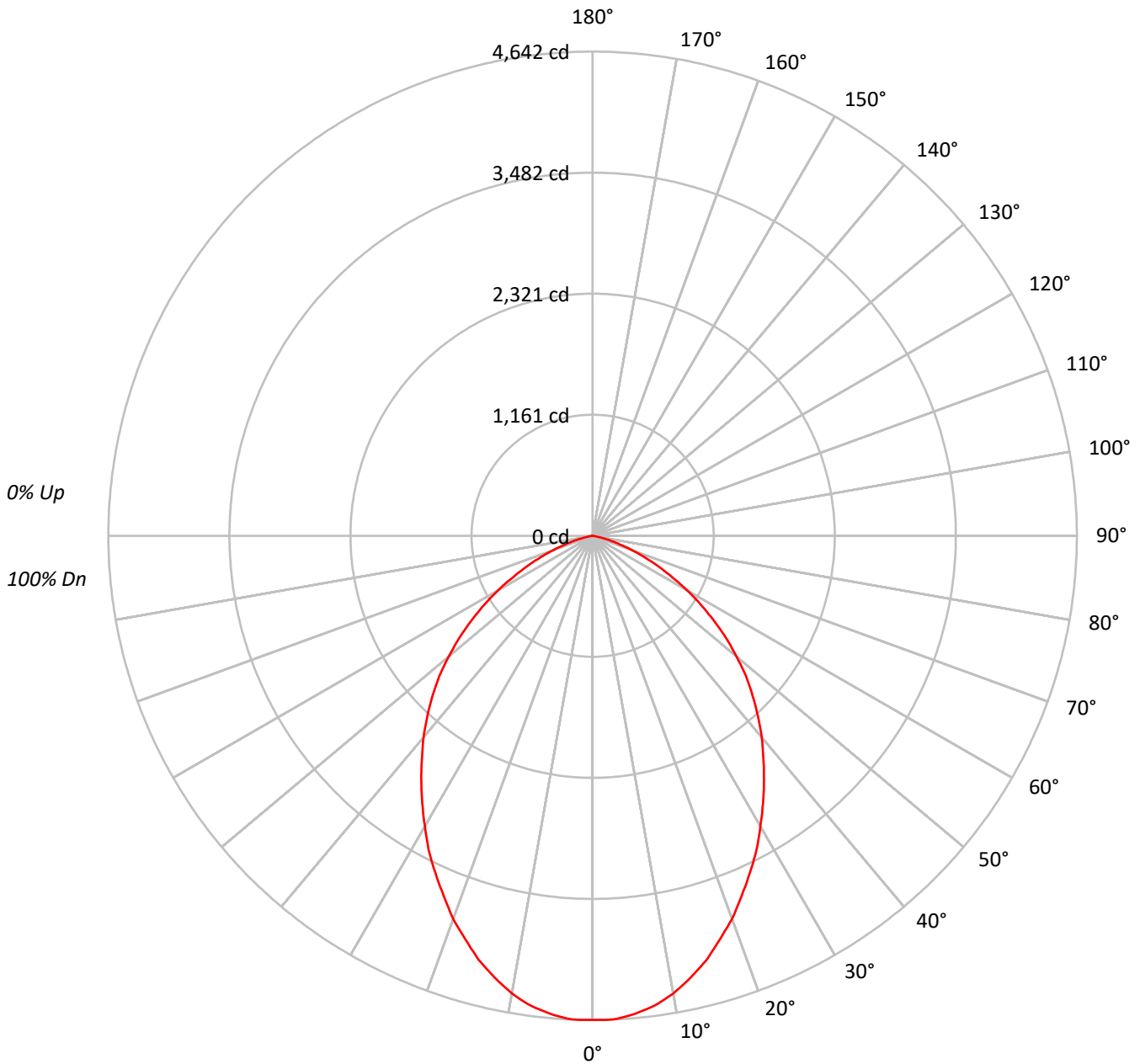
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8876.0 lumens
Efficiency: N/A
Efficacy: 99.2 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): 89.5
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

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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°	570298
5°	567655
10°	555943
15°	535738
20°	511068
25°	483520
30°	456105
35°	429442
40°	404351
45°	376931
50°	343702
55°	303527
60°	256936
65°	201714
70°	143967
75°	78890
80°	13867
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.8	4.9
10°-20°	1181.9	13.3
20°-30°	1641.3	18.5
30°-40°	1791.0	20.2
40°-50°	1670.7	18.8
50°-60°	1268.1	14.3
60°-70°	694.4	7.8
70°-80°	191.1	2.2
80°-90°	2.7	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°	3258.0	36.7
0°-40°	5049.0	56.9
0°-60°	7987.8	90.0
0°-90°	8876.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8876.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4642	
5°	4603	435
15°	4212	1182
25°	3567	1641
35°	2863	1791
45°	2170	1671
55°	1417	1268
65°	694	694
75°	166	191
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4642.1
2.5°	4642.1
5°	4603.0
7.5°	4544.5
10°	4456.5
12.5°	4339.3
15°	4212.2
17.5°	4055.9
20°	3909.1
22.5°	3733.2
25°	3567.0
27.5°	3401.1
30°	3215.2
32.5°	3039.3
35°	2863.4
37.5°	2687.5
40°	2521.3
42.5°	2345.4
45°	2169.5
47.5°	1993.6
50°	1798.3
52.5°	1612.5
55°	1417.1
57.5°	1231.3
60°	1045.7
62.5°	860.1
65°	693.9
67.5°	537.4
70°	400.8
72.5°	273.7
75°	166.2
77.5°	78.1
80°	19.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)