

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: P858058

Luminaire Tested: **LD4C40D010 EU4409030 4LBMLI**

Issue Date: 1/26/2022



Test Information

Test Method: LM-79-08
Report Number: P858058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/26/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C40D010 EU4409030 4LBMLI
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH LI FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

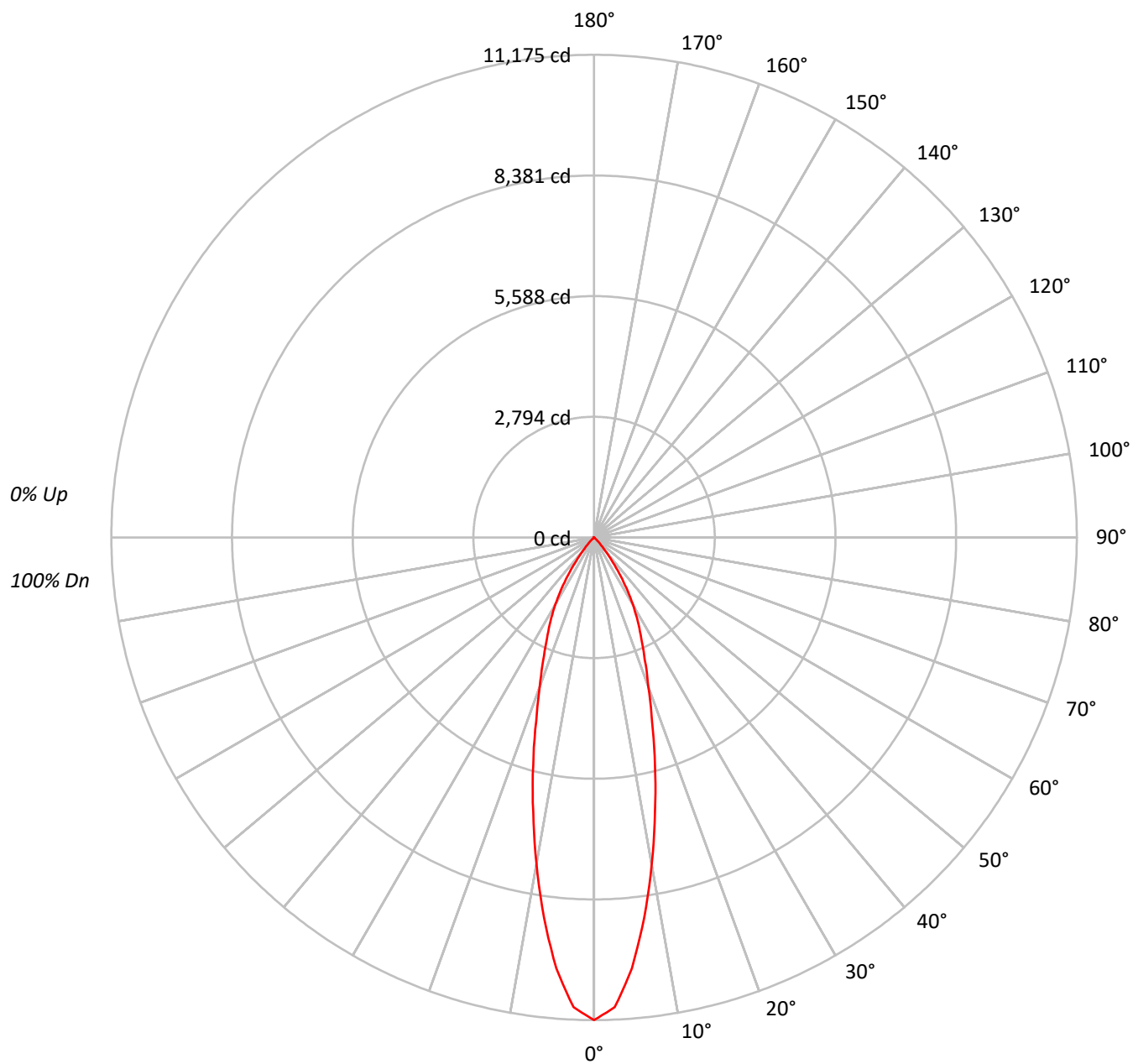
Lumens per Lamp: N/A
Luminaire Lumens: 4342.3 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 65
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
RW	70	50	30	10		70	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			100
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			95
2	109	105	102	99		107	103	100	98		100	98	95			97	95	93			90
3	105	99	95	92		103	98	94	91		95	92	89			93	90	88			85
4	101	94	89	86		99	93	88	85		91	87	84			89	86	83			81
5	96	89	84	80		95	88	84	80		87	82	79			85	81	79			77
6	92	85	80	76		91	84	79	76		83	78	75			81	78	75			73
7	89	81	76	72		88	80	75	72		79	75	71			78	74	71			69
8	85	77	72	68		84	77	72	68		76	71	68			75	71	68			66
9	82	74	69	65		81	73	68	65		72	68	65			72	68	65			63
10	79	71	66	62		78	70	65	62		69	65	62			69	65	62			61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1372875
5°	1235435
10°	957733
15°	693209
20°	479991
25°	349919
30°	254254
35°	150441
40°	63284
45°	19720
50°	2542
55°	1435
60°	1646
65°	1948
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	880.6	20.3
10°-20°	1507.7	34.7
20°-30°	1198.2	27.6
30°-40°	634.3	14.6
40°-50°	109.3	2.5
50°-60°	8.2	0.2
60°-70°	4.1	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	3586.5	82.6
0°-40°	4220.8	97.2
0°-60°	4338.2	99.9
0°-90°	4342.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4342.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11175	
5°	10018	881
15°	5450	1508
25°	2581	1198
35°	1003	634
45°	114	109
55°	7	8
65°	7	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11174.9
2.5°	10887.2
5°	10017.9
7.5°	8881.1
10°	7677.3
12.5°	6513.7
15°	5450.3
17.5°	4460.5
20°	3671.4
22.5°	3069.5
25°	2581.4
27.5°	2186.8
30°	1792.3
32.5°	1391.0
35°	1003.1
37.5°	662.2
40°	394.6
42.5°	227.5
45°	113.5
47.5°	40.1
50°	13.3
52.5°	13.3
55°	6.7
57.5°	6.7
60°	6.7
62.5°	6.7
65°	6.7
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)