

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: P858057

Luminaire Tested: **LD4C40D010 EU4409030 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P858057
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: LD4C40D010 EU4409030 4LBMH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

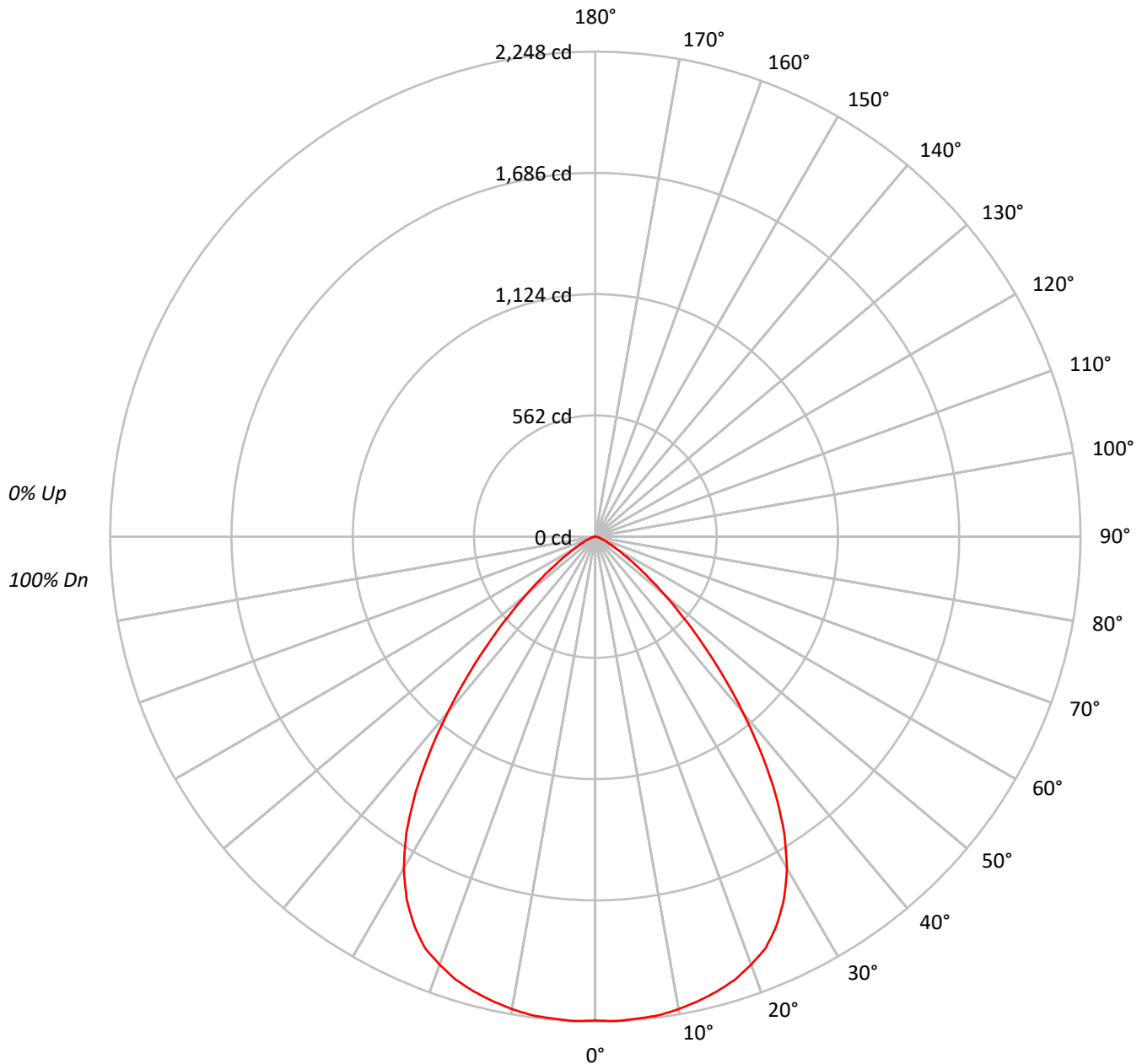
Lumens per Lamp: N/A
Luminaire Lumens: 3479.9 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	75	65	58	53	63	57	53		62	56	52		61
8	72	60	53	49	70	60	53	49	59	53	48		58	52	48		57
9	68	56	49	45	66	56	49	45	55	49	44		54	48	44		53
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	275560
5°	276613
10°	277454
15°	277459
20°	275949
25°	269481
30°	251871
35°	218111
40°	170381
45°	122244
50°	79413
55°	47550
60°	27839
65°	17849
70°	11890
75°	8971
80°	6650
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.6	6.1
10°-20°	615.5	17.7
20°-30°	908.2	26.1
30°-40°	896.3	25.8
40°-50°	548.5	15.8
50°-60°	210.3	6.0
60°-70°	65.8	1.9
70°-80°	19.3	0.6
80°-90°	2.6	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°	1737.3	49.9
0°-40°	2633.6	75.7
0°-60°	3392.3	97.5
0°-90°	3479.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3479.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2243	
5°	2243	214
15°	2182	615
25°	1988	908
35°	1454	896
45°	704	548
55°	222	210
65°	61	66
75°	19	19
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2243.0
2.5°	2247.7
5°	2243.0
7.5°	2238.2
10°	2224.1
12.5°	2205.2
15°	2181.5
17.5°	2153.1
20°	2110.7
22.5°	2063.6
25°	1988.0
27.5°	1893.5
30°	1775.5
32.5°	1629.2
35°	1454.3
37.5°	1260.7
40°	1062.4
42.5°	878.3
45°	703.6
47.5°	547.6
50°	415.5
52.5°	307.0
55°	222.0
57.5°	155.7
60°	113.3
62.5°	85.1
65°	61.4
67.5°	47.3
70°	33.1
72.5°	23.7
75°	18.9
77.5°	9.4
80°	9.4
82.5°	4.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)