

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: P857935

Luminaire Tested: **LX4C40D010 EX4C409035 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857935
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: LX4C40D010 EX4C409035 4LBMH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

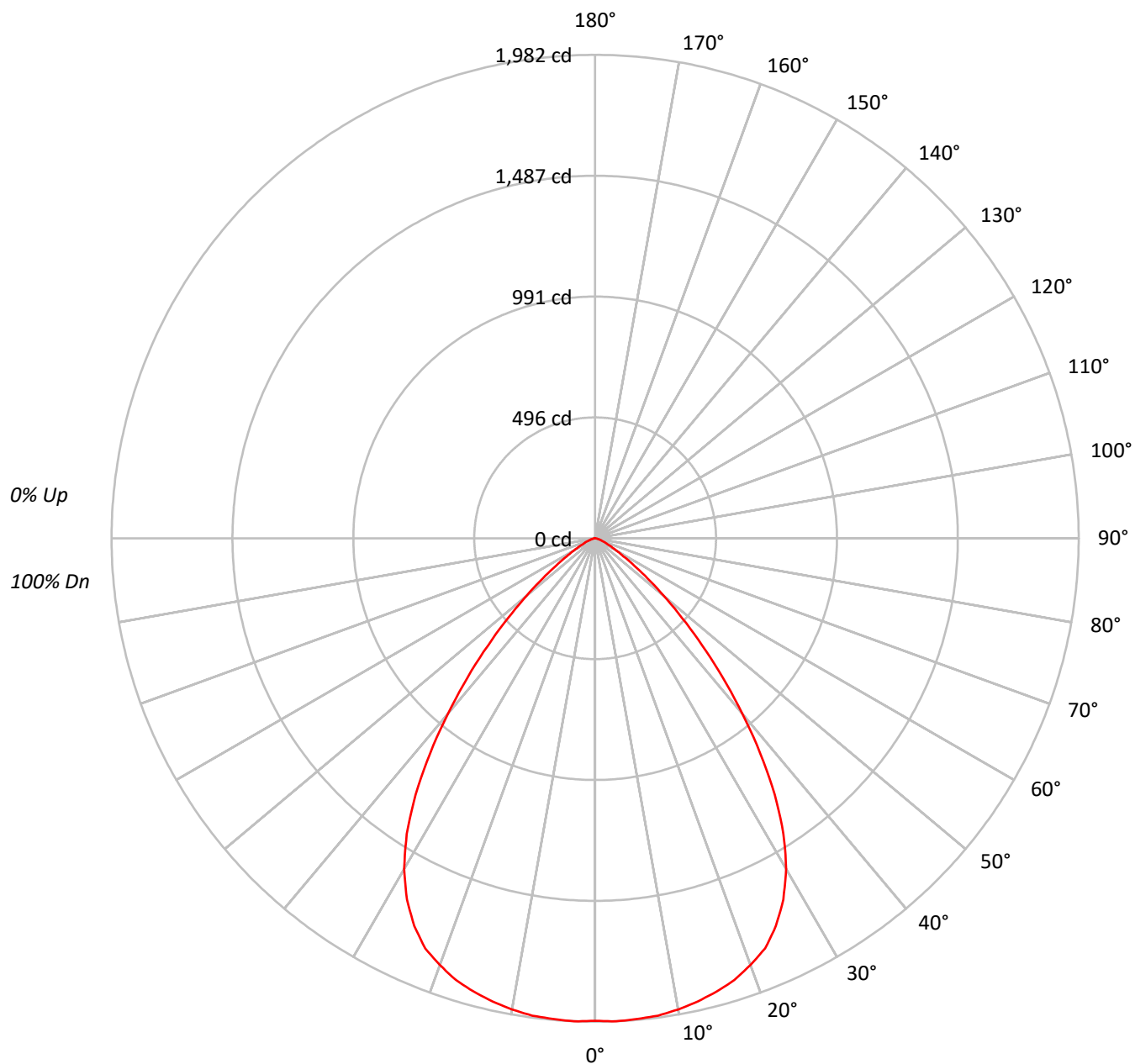
Lumens per Lamp: N/A
Luminaire Lumens: 3069.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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°	243029
5°	243957
10°	244695
15°	244708
20°	243356
25°	237653
30°	222123
35°	192360
40°	150270
45°	107806
50°	70048
55°	41917
60°	24546
65°	15756
70°	10489
75°	7927
80°	5872
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.4	6.1
10°-20°	542.8	17.7
20°-30°	801.0	26.1
30°-40°	790.4	25.8
40°-50°	483.7	15.8
50°-60°	185.5	6.0
60°-70°	58.0	1.9
70°-80°	17.0	0.6
80°-90°	2.3	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°	1532.2	49.9
0°-40°	2322.6	75.7
0°-60°	2991.8	97.5
0°-90°	3069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3069.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1978	
5°	1978	188
15°	1924	543
25°	1753	801
35°	1283	790
45°	620	484
55°	196	185
65°	54	58
75°	17	17
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1978.2
2.5°	1982.3
5°	1978.2
7.5°	1974.0
10°	1961.5
12.5°	1944.8
15°	1924.0
17.5°	1899.0
20°	1861.4
22.5°	1819.9
25°	1753.2
27.5°	1669.9
30°	1565.8
32.5°	1436.8
35°	1282.6
37.5°	1111.9
40°	937.0
42.5°	774.6
45°	620.5
47.5°	483.0
50°	366.5
52.5°	270.8
55°	195.7
57.5°	137.4
60°	99.9
62.5°	75.0
65°	54.2
67.5°	41.7
70°	29.2
72.5°	20.8
75°	16.7
77.5°	8.3
80°	8.3
82.5°	4.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)