

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: P858958

Luminaire Tested: **LX4C50D010 EX4C509027 4LBMH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P858958
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: LX4C50D010 EX4C509027 4LBMH
Description: 4 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

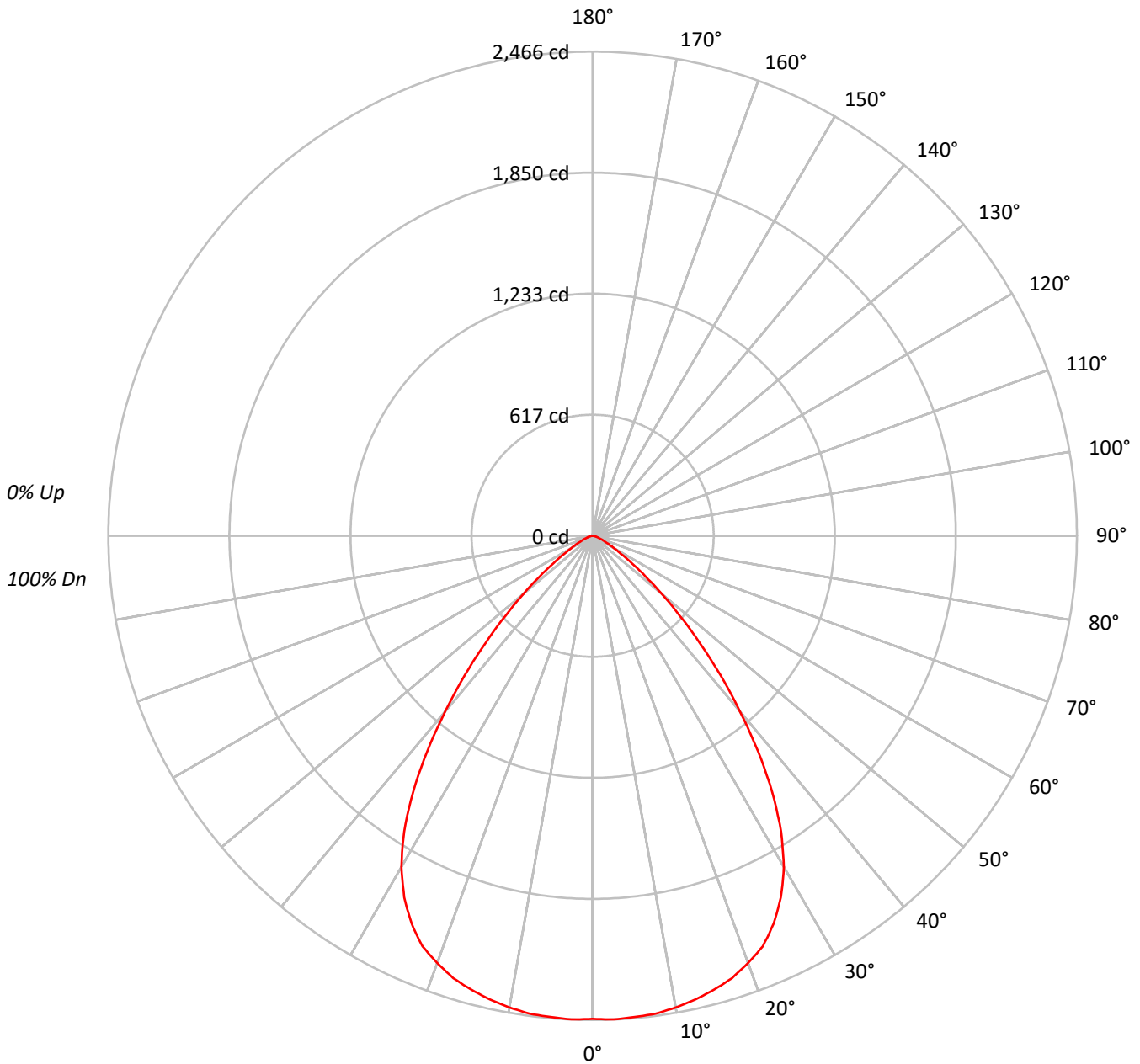
Lumens per Lamp: N/A
Luminaire Lumens: 3817.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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			100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50			50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	68	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43			43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	302256
5°	303411
10°	304324
15°	304346
20°	302671
25°	295589
30°	276270
35°	239242
40°	186884
45°	134093
50°	87115
55°	52133
60°	30517
65°	19593
70°	13039
75°	9826
80°	7358
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.3	6.1
10°-20°	675.1	17.7
20°-30°	996.2	26.1
30°-40°	983.1	25.8
40°-50°	601.6	15.8
50°-60°	230.7	6.0
60°-70°	72.1	1.9
70°-80°	21.1	0.6
80°-90°	2.8	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°	1905.6	49.9
0°-40°	2888.7	75.7
0°-60°	3721.0	97.5
0°-90°	3817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3817.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2460	
5°	2460	234
15°	2393	675
25°	2181	996
35°	1595	983
45°	772	602
55°	243	231
65°	67	72
75°	21	21
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2460.3
2.5°	2465.5
5°	2460.3
7.5°	2455.1
10°	2439.5
12.5°	2418.8
15°	2392.9
17.5°	2361.8
20°	2315.1
22.5°	2263.5
25°	2180.6
27.5°	2076.9
30°	1947.5
32.5°	1787.0
35°	1595.2
37.5°	1382.8
40°	1165.3
42.5°	963.4
45°	771.8
47.5°	600.7
50°	455.8
52.5°	336.8
55°	243.4
57.5°	170.9
60°	124.2
62.5°	93.3
65°	67.4
67.5°	51.8
70°	36.3
72.5°	25.9
75°	20.7
77.5°	10.4
80°	10.4
82.5°	5.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)