

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: P859178

Luminaire Tested: **LX4C60D010 EX4C609027 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P859178
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: LX4C60D010 EX4C609027 4LBMH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

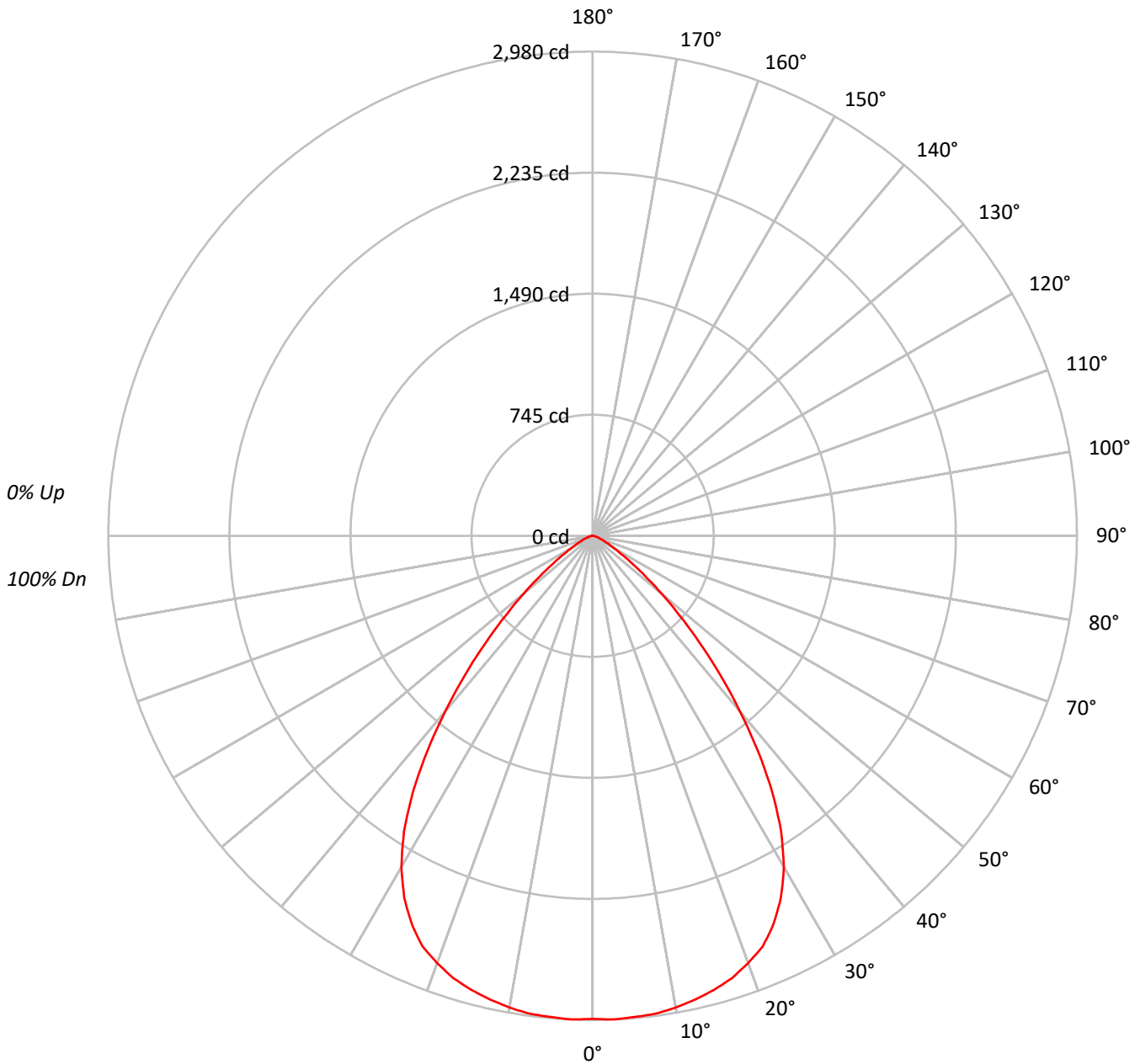
Lumens per Lamp: N/A
Luminaire Lumens: 4613.0 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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			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°	365293
5°	366688
10°	367797
15°	367813
20°	365792
25°	357225
30°	333879
35°	289125
40°	225870
45°	162048
50°	105272
55°	63014
60°	36881
65°	23692
70°	15769
75°	11914
80°	8844
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.2	6.1
10°-20°	815.9	17.7
20°-30°	1203.9	26.1
30°-40°	1188.1	25.8
40°-50°	727.1	15.8
50°-60°	278.7	6.0
60°-70°	87.2	1.9
70°-80°	25.5	0.6
80°-90°	3.4	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°	2303.0	49.9
0°-40°	3491.1	75.7
0°-60°	4496.9	97.5
0°-90°	4613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4613.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2973	
5°	2973	283
15°	2892	816
25°	2635	1204
35°	1928	1188
45°	933	727
55°	294	279
65°	82	87
75°	25	26
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2973.4
2.5°	2979.6
5°	2973.4
7.5°	2967.1
10°	2948.3
12.5°	2923.2
15°	2891.9
17.5°	2854.3
20°	2797.9
22.5°	2735.5
25°	2635.3
27.5°	2510.0
30°	2353.6
32.5°	2159.7
35°	1927.8
37.5°	1671.2
40°	1408.4
42.5°	1164.3
45°	932.7
47.5°	726.0
50°	550.8
52.5°	407.0
55°	294.2
57.5°	206.5
60°	150.1
62.5°	112.8
65°	81.5
67.5°	62.7
70°	43.9
72.5°	31.3
75°	25.1
77.5°	12.5
80°	12.5
82.5°	6.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)