

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: P859297

Luminaire Tested: **LD4C60D010 EU4609030 4LBMH**

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-08
Report Number: P859297
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: LD4C60D010 EU4609030 4LBMH
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

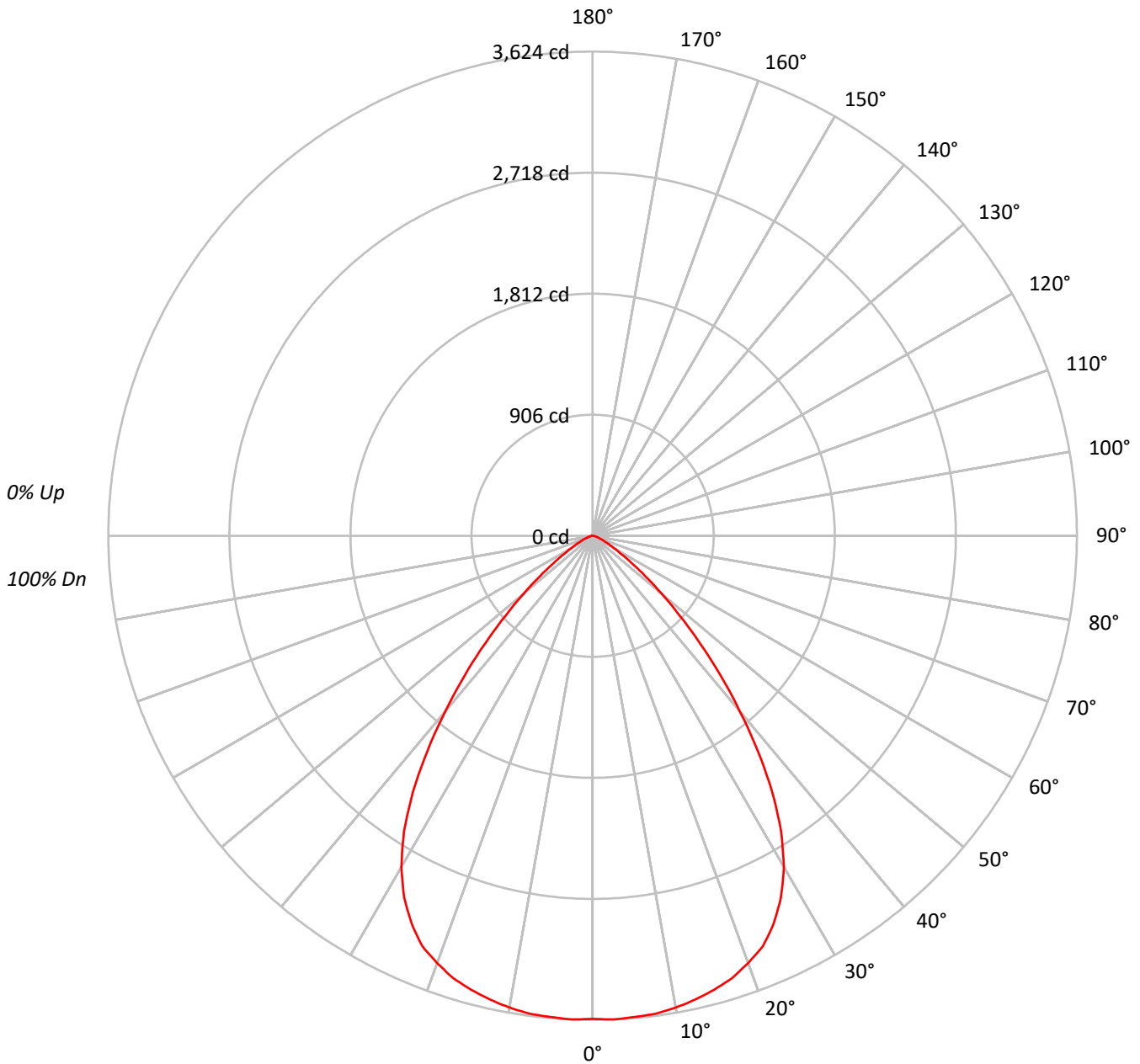
Lumens per Lamp: N/A
Luminaire Lumens: 5610.3 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 97.5
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

TEST NUMBER: P859297

CATALOG NUMBER: LD4C60D010 EU4609030 4LBMH

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°	444250
5°	445947
10°	447311
15°	447330
20°	444862
25°	434450
30°	406057
35°	351620
40°	274688
45°	197092
50°	128035
55°	76658
60°	44842
65°	28808
70°	19145
75°	14477
80°	10825
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.4	6.1
10°-20°	992.3	17.7
20°-30°	1464.2	26.1
30°-40°	1444.9	25.8
40°-50°	884.3	15.8
50°-60°	339.0	6.0
60°-70°	106.0	1.9
70°-80°	31.1	0.6
80°-90°	4.1	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°	2800.8	49.9
0°-40°	4245.8	75.7
0°-60°	5469.0	97.5
0°-90°	5610.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5610.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3616	
5°	3616	344
15°	3517	992
25°	3205	1464
35°	2344	1445
45°	1134	884
55°	358	339
65°	99	106
75°	30	31
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3616.1
2.5°	3623.8
5°	3616.1
7.5°	3608.5
10°	3585.7
12.5°	3555.2
15°	3517.1
17.5°	3471.3
20°	3402.7
22.5°	3327.0
25°	3205.0
27.5°	3052.6
30°	2862.4
32.5°	2626.5
35°	2344.5
37.5°	2032.5
40°	1712.8
42.5°	1416.0
45°	1134.4
47.5°	882.9
50°	669.9
52.5°	495.0
55°	357.9
57.5°	251.1
60°	182.5
62.5°	137.2
65°	99.1
67.5°	76.2
70°	53.3
72.5°	38.1
75°	30.5
77.5°	15.3
80°	15.3
82.5°	7.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)