

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: P839350

Luminaire Tested: **LD4C60D010 EU4609040 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C60D010 EU4609040 4LBPSMW
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

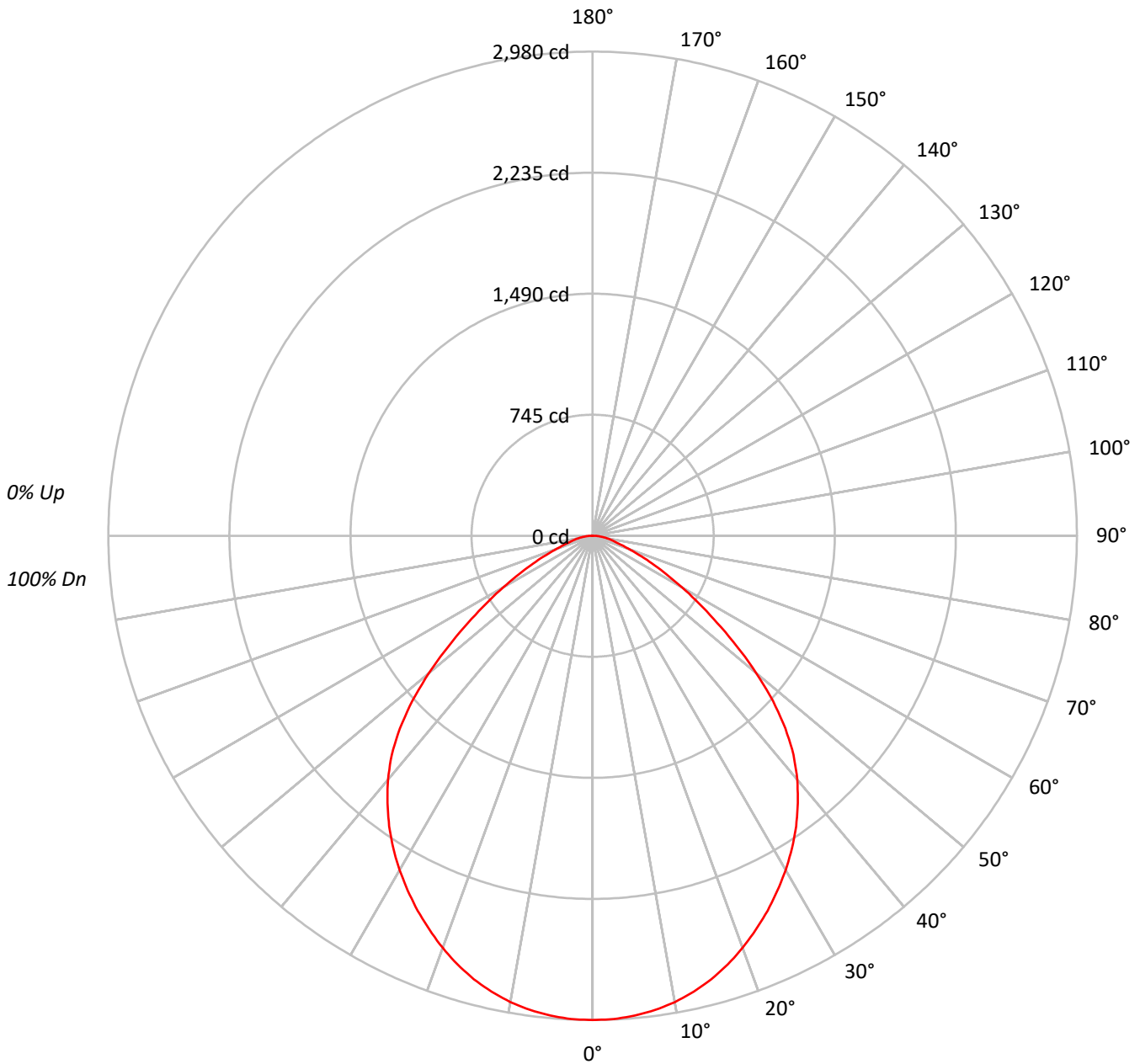
Lumens per Lamp: N/A
Luminaire Lumens: 6355.0 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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

TEST NUMBER: P839350

CATALOG NUMBER: LD4C60D010 EU4609040 4LBPSMW

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	100	100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	366152
5°	365566
10°	363568
15°	359368
20°	352836
25°	345201
30°	336972
35°	327368
40°	314188
45°	291451
50°	251082
55°	200288
60°	155926
65°	116714
70°	84699
75°	67166
80°	62895
85°	62727



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.4	4.4
10°-20°	795.7	12.5
20°-30°	1172.6	18.5
30°-40°	1362.2	21.4
40°-50°	1280.4	20.1
50°-60°	847.6	13.3
60°-70°	408.4	6.4
70°-80°	157.5	2.5
80°-90°	49.1	0.8
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°	2249.7	35.4
0°-40°	3611.9	56.8
0°-60°	5740.0	90.3
0°-90°	6355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6355.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2980	
5°	2964	281
15°	2826	796
25°	2547	1173
35°	2183	1362
45°	1678	1280
55°	935	848
65°	402	408
75°	142	157
85°	44	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2980.4
2.5°	2977.7
5°	2964.3
7.5°	2944.0
10°	2914.4
12.5°	2874.0
15°	2825.5
17.5°	2766.2
20°	2698.8
22.5°	2624.7
25°	2546.6
27.5°	2463.0
30°	2375.4
32.5°	2282.5
35°	2182.8
37.5°	2073.6
40°	1959.1
42.5°	1829.8
45°	1677.5
47.5°	1505.0
50°	1313.7
52.5°	1119.7
55°	935.1
57.5°	776.1
60°	634.6
62.5°	508.0
65°	401.5
67.5°	311.2
70°	235.8
72.5°	179.2
75°	141.5
77.5°	114.5
80°	88.9
82.5°	66.0
85°	44.5
87.5°	25.6
90°	0.0



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— 0°-180°







(END OF REPORT)