

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: P839347

Luminaire Tested: **LD4C60D010 EU4609035 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839347
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 EU4609035 4LBPSMW
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

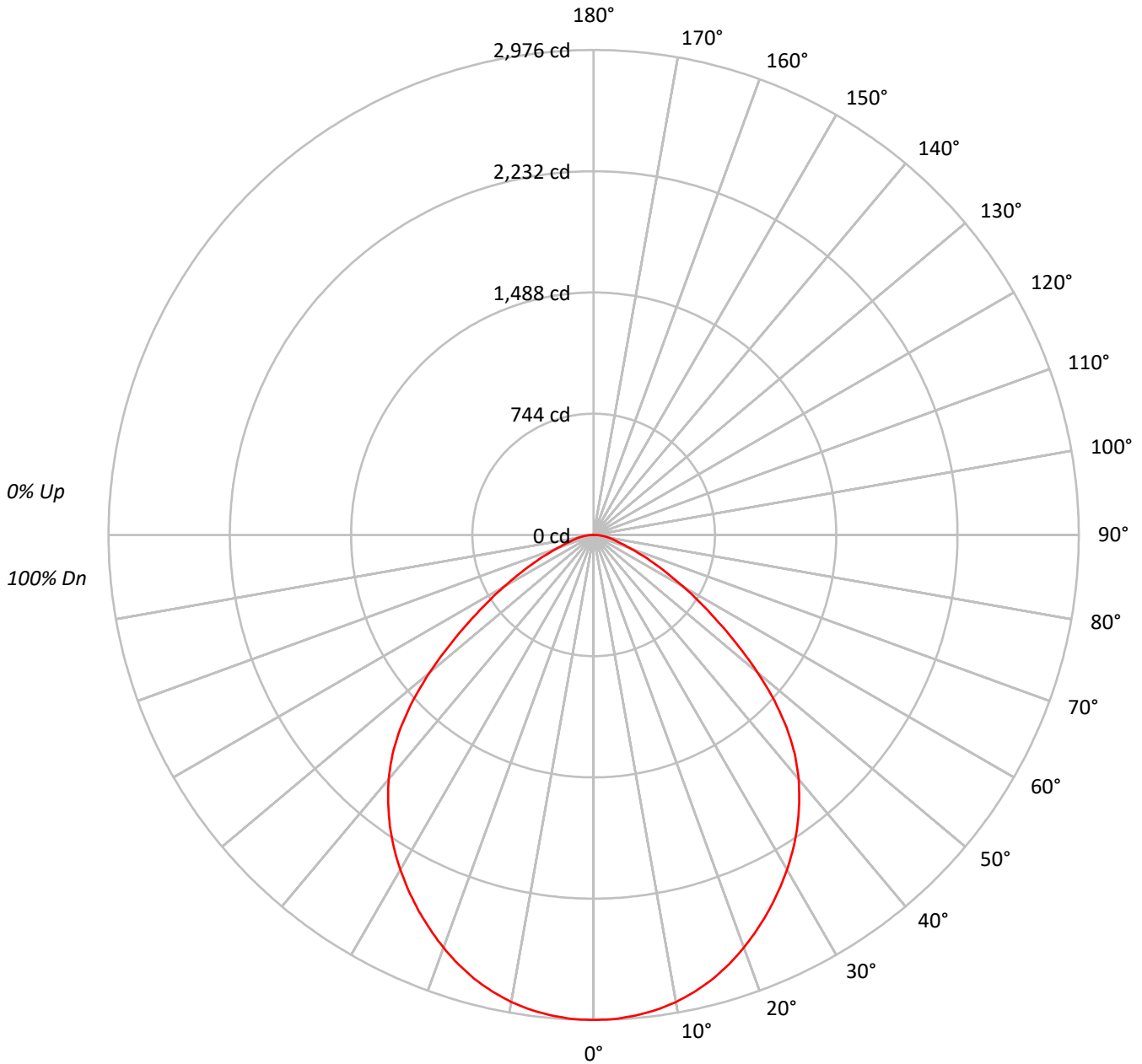
Lumens per Lamp: N/A
Luminaire Lumens: 6346.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P839347

CATALOG NUMBER: LD4C60D010 EU4609035 4LBPSMW

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88																			
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76																			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66																			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51																			
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46																			
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41																			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37																			
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33																			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	365637
5°	365048
10°	363056
15°	358859
20°	352339
25°	344713
30°	336504
35°	326904
40°	313739
45°	291034
50°	250719
55°	200009
60°	155704
65°	116569
70°	84591
75°	67071
80°	62825
85°	62586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.0	4.4
10°-20°	794.6	12.5
20°-30°	1171.0	18.5
30°-40°	1360.3	21.4
40°-50°	1278.6	20.1
50°-60°	846.4	13.3
60°-70°	407.8	6.4
70°-80°	157.3	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°	2246.6	35.4
0°-40°	3606.8	56.8
0°-60°	5731.8	90.3
0°-90°	6346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6346.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2976	
5°	2960	281
15°	2822	795
25°	2543	1171
35°	2180	1360
45°	1675	1279
55°	934	846
65°	401	408
75°	141	157
85°	44	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2976.2
2.5°	2973.5
5°	2960.1
7.5°	2939.9
10°	2910.3
12.5°	2869.9
15°	2821.5
17.5°	2762.3
20°	2695.0
22.5°	2621.0
25°	2543.0
27.5°	2459.5
30°	2372.1
32.5°	2279.2
35°	2179.7
37.5°	2070.7
40°	1956.3
42.5°	1827.2
45°	1675.1
47.5°	1502.9
50°	1311.8
52.5°	1118.1
55°	933.8
57.5°	775.0
60°	633.7
62.5°	507.2
65°	401.0
67.5°	310.8
70°	235.5
72.5°	178.9
75°	141.3
77.5°	114.4
80°	88.8
82.5°	65.9
85°	44.4
87.5°	25.6
90°	0.0



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— 0°-180°







(END OF REPORT)