

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: P839260

Luminaire Tested: **LD4C30D010 EU4309040 4LBPSMW**

Issue Date: 6/29/2023

Test Information

Test Method: LM-79-08
Report Number: P839260
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: LD4C30D010 EU4309040 4LBPSMW
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

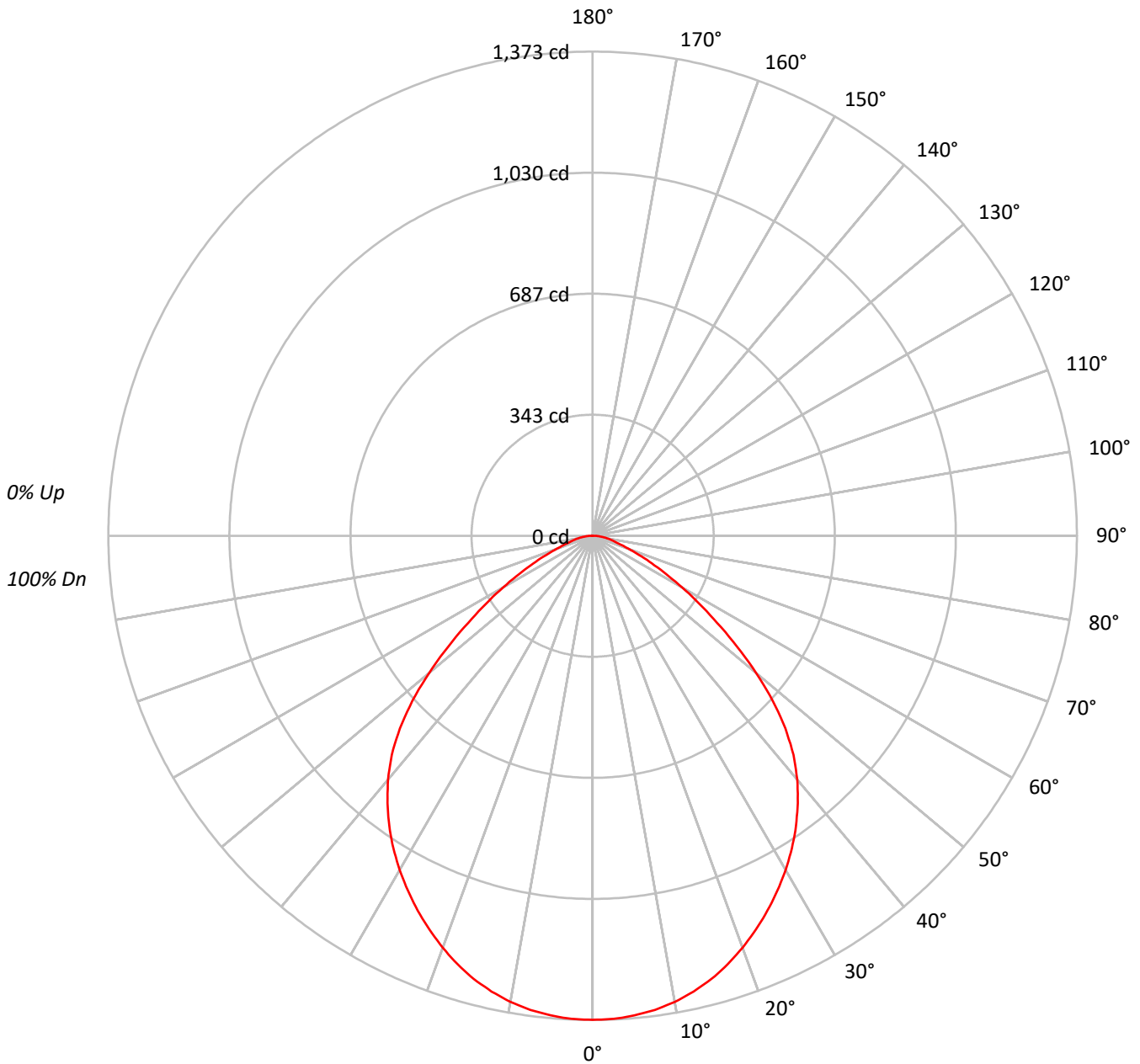
Lumens per Lamp: N/A
Luminaire Lumens: 2927.0 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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: P839260

CATALOG NUMBER: LD4C30D010 EU4309040 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
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°	168641
5°	168373
10°	167450
15°	165522
20°	162507
25°	158991
30°	155208
35°	150771
40°	144705
45°	134232
50°	115650
55°	92251
60°	71820
65°	53750
70°	39009
75°	30948
80°	29007
85°	28897



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.6	4.4
10°-20°	366.5	12.5
20°-30°	540.1	18.5
30°-40°	627.4	21.4
40°-50°	589.8	20.1
50°-60°	390.4	13.3
60°-70°	188.1	6.4
70°-80°	72.5	2.5
80°-90°	22.6	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°	1036.2	35.4
0°-40°	1663.6	56.8
0°-60°	2643.7	90.3
0°-90°	2927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2927.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1373	
5°	1365	130
15°	1301	366
25°	1173	540
35°	1005	627
45°	773	590
55°	431	390
65°	185	188
75°	65	73
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1372.7
2.5°	1371.5
5°	1365.3
7.5°	1356.0
10°	1342.3
12.5°	1323.7
15°	1301.4
17.5°	1274.1
20°	1243.0
22.5°	1208.9
25°	1172.9
27.5°	1134.4
30°	1094.1
32.5°	1051.3
35°	1005.3
37.5°	955.1
40°	902.3
42.5°	842.8
45°	772.6
47.5°	693.2
50°	605.1
52.5°	515.7
55°	430.7
57.5°	357.5
60°	292.3
62.5°	234.0
65°	184.9
67.5°	143.4
70°	108.6
72.5°	82.5
75°	65.2
77.5°	52.7
80°	41.0
82.5°	30.4
85°	20.5
87.5°	11.8
90°	0.0



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— 0°-180°







(END OF REPORT)