

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: P839935

Luminaire Tested: **LDS4C30D010 EU4309040 4LBSWMH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C30D010 EU4309040 4LBSWMH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

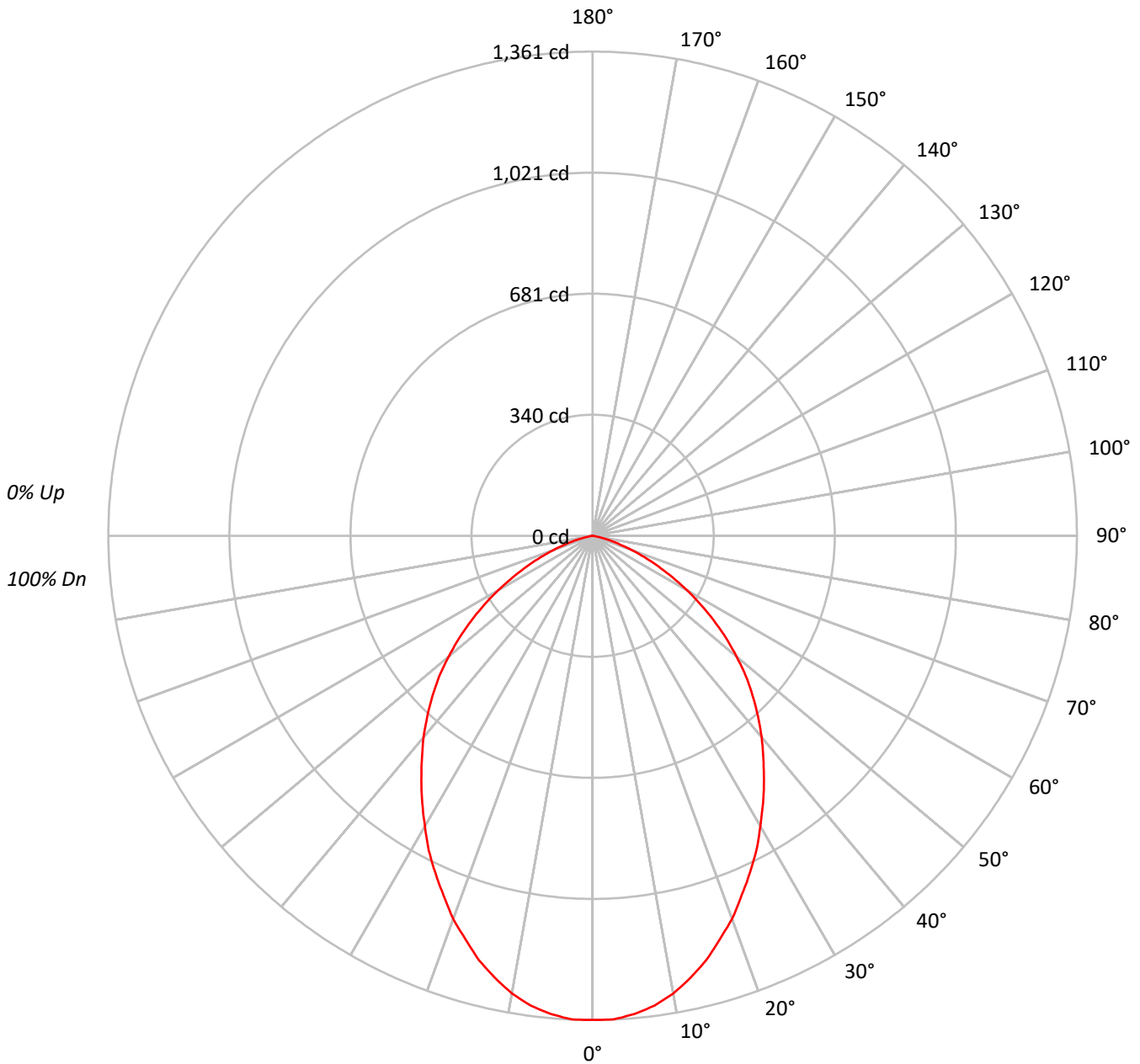
Lumens per Lamp: N/A
Luminaire Lumens: 2602.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	167179
5°	166412
10°	162972
15°	157051
20°	149826
25°	141749
30°	133702
35°	125890
40°	118532
45°	110499
50°	100762
55°	88974
60°	75309
65°	59128
70°	42206
75°	23116
80°	4103
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	4.9
10°-20°	346.5	13.3
20°-30°	481.1	18.5
30°-40°	525.0	20.2
40°-50°	489.8	18.8
50°-60°	371.8	14.3
60°-70°	203.5	7.8
70°-80°	56.0	2.2
80°-90°	0.8	0.0
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°	955.1	36.7
0°-40°	1480.1	56.9
0°-60°	2341.6	90.0
0°-90°	2602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2602.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1361	
5°	1349	127
15°	1235	346
25°	1046	481
35°	839	525
45°	636	490
55°	415	372
65°	203	204
75°	49	56
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1360.8
2.5°	1360.8
5°	1349.4
7.5°	1332.2
10°	1306.4
12.5°	1272.1
15°	1234.8
17.5°	1189.0
20°	1146.0
22.5°	1094.4
25°	1045.7
27.5°	997.0
30°	942.5
32.5°	891.0
35°	839.4
37.5°	787.8
40°	739.1
42.5°	687.6
45°	636.0
47.5°	584.4
50°	527.2
52.5°	472.7
55°	415.4
57.5°	361.0
60°	306.5
62.5°	252.1
65°	203.4
67.5°	157.5
70°	117.5
72.5°	80.2
75°	48.7
77.5°	22.9
80°	5.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)