

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: P839911

Luminaire Tested: **LDS4C30D010 EU4309030 4LBSGPH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C30D010 EU4309030 4LBSGPH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

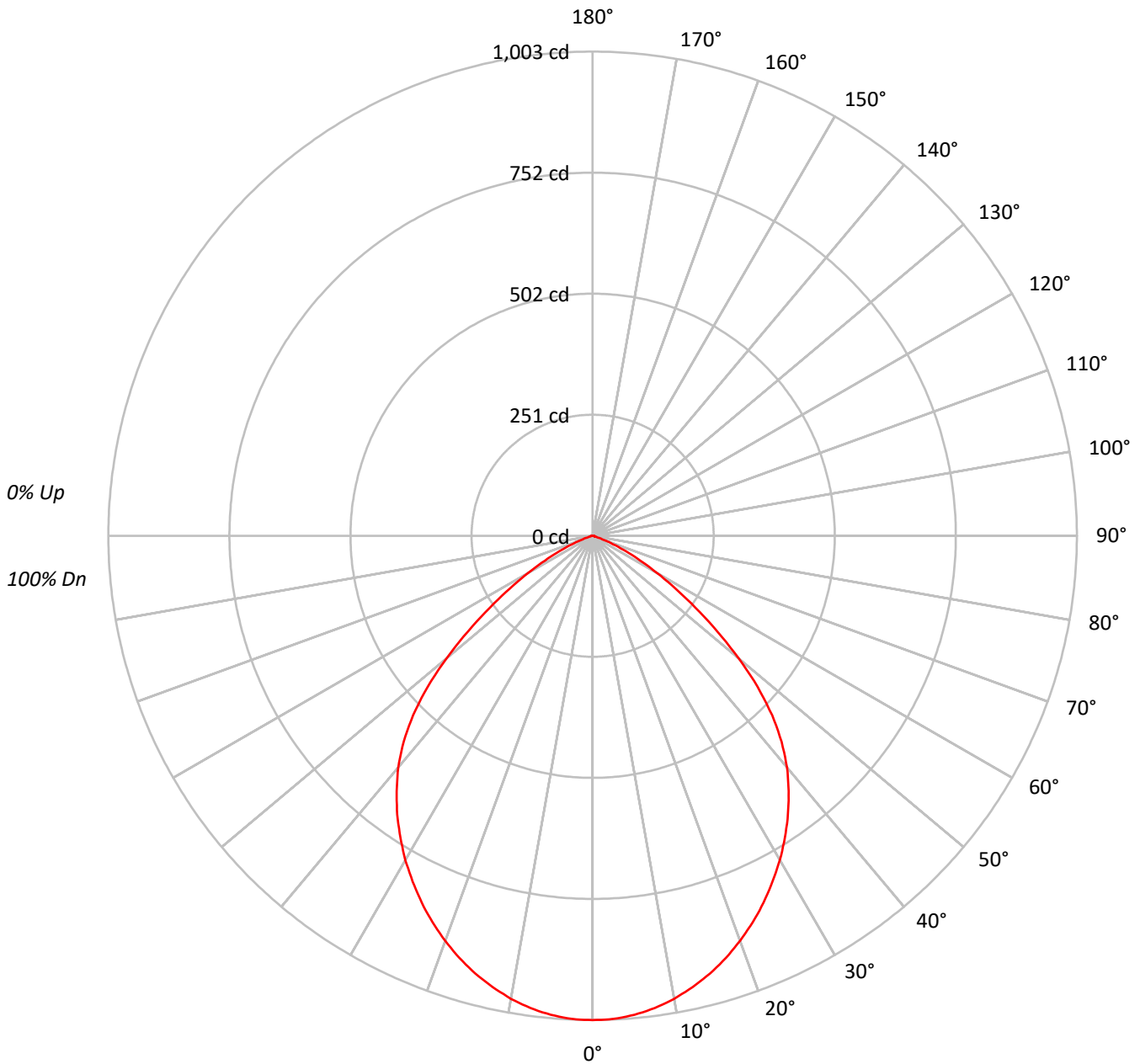
Lumens per Lamp: N/A
Luminaire Lumens: 1911.0 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123271
5°	122854
10°	121505
15°	119416
20°	116736
25°	113621
30°	110040
35°	105793
40°	100458
45°	91336
50°	75418
55°	55518
60°	37691
65°	22064
70°	8729
75°	1946
80°	2547
85°	4370



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	4.9
10°-20°	264.4	13.8
20°-30°	385.6	20.2
30°-40°	440.2	23.0
40°-50°	400.2	20.9
50°-60°	236.0	12.4
60°-70°	79.1	4.1
70°-80°	8.3	0.4
80°-90°	2.9	0.2
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°	744.4	39.0
0°-40°	1184.5	62.0
0°-60°	1820.7	95.3
0°-90°	1911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1911.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1003	
5°	996	94
15°	939	264
25°	838	386
35°	705	440
45°	526	400
55°	259	236
65°	76	79
75°	4	8
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1003.4
2.5°	1001.9
5°	996.2
7.5°	986.9
10°	974.0
12.5°	957.5
15°	938.9
17.5°	917.2
20°	892.9
22.5°	866.6
25°	838.2
27.5°	807.2
30°	775.7
32.5°	741.1
35°	705.4
37.5°	666.7
40°	626.4
42.5°	579.4
45°	525.7
47.5°	463.8
50°	394.6
52.5°	325.4
55°	259.2
57.5°	203.0
60°	153.4
62.5°	111.0
65°	75.9
67.5°	46.5
70°	24.3
72.5°	9.3
75°	4.1
77.5°	4.1
80°	3.6
82.5°	3.1
85°	3.1
87.5°	2.6
90°	0.0



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— 0°-180°







(END OF REPORT)