

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: P839915

Luminaire Tested: **LDS4C30D010 EU4309030 4LBSWMH**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839915
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 EU4309030 4LBSWMH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

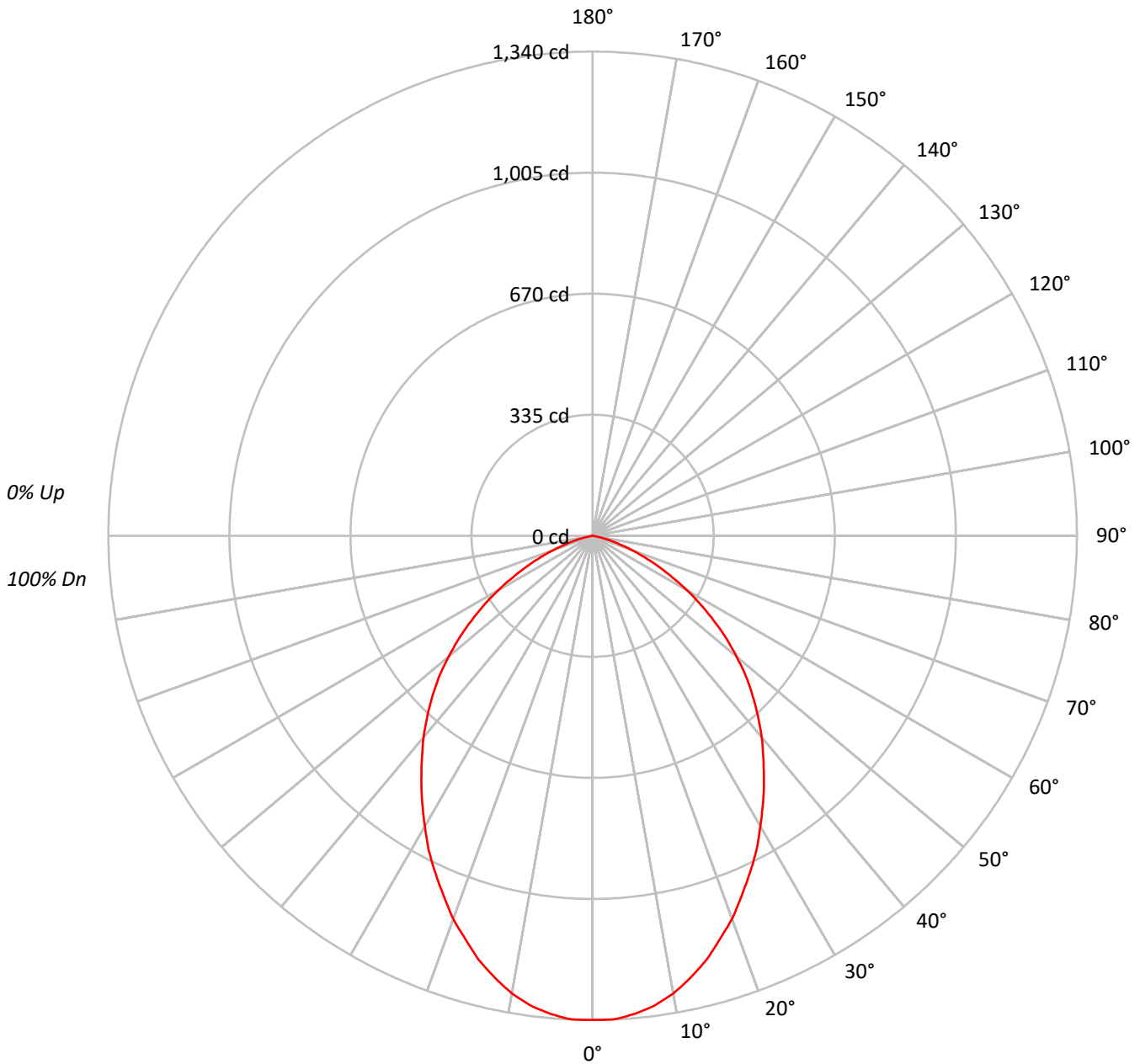
Lumens per Lamp: N/A
Luminaire Lumens: 2562.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	164611
5°	163847
10°	160464
15°	154634
20°	147512
25°	139566
30°	131659
35°	123955
40°	116720
45°	108797
50°	99214
55°	87625
60°	74154
65°	58226
70°	41559
75°	22784
80°	4033
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.5	4.9
10°-20°	341.1	13.3
20°-30°	473.7	18.5
30°-40°	517.0	20.2
40°-50°	482.2	18.8
50°-60°	366.0	14.3
60°-70°	200.4	7.8
70°-80°	55.2	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°	940.4	36.7
0°-40°	1457.4	56.9
0°-60°	2305.6	90.0
0°-90°	2562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2562.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1340	
5°	1329	126
15°	1216	341
25°	1030	474
35°	826	517
45°	626	482
55°	409	366
65°	200	200
75°	48	55
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1339.9
2.5°	1339.9
5°	1328.6
7.5°	1311.8
10°	1286.3
12.5°	1252.5
15°	1215.8
17.5°	1170.7
20°	1128.3
22.5°	1077.6
25°	1029.6
27.5°	981.7
30°	928.1
32.5°	877.3
35°	826.5
37.5°	775.7
40°	727.8
42.5°	677.0
45°	626.2
47.5°	575.4
50°	519.1
52.5°	465.4
55°	409.1
57.5°	355.4
60°	301.8
62.5°	248.3
65°	200.3
67.5°	155.1
70°	115.7
72.5°	79.0
75°	48.0
77.5°	22.6
80°	5.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)