

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: P839914

Luminaire Tested: **LDS4C30D010 EU4309030 4LBSWH**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839914
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 4LBSWH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

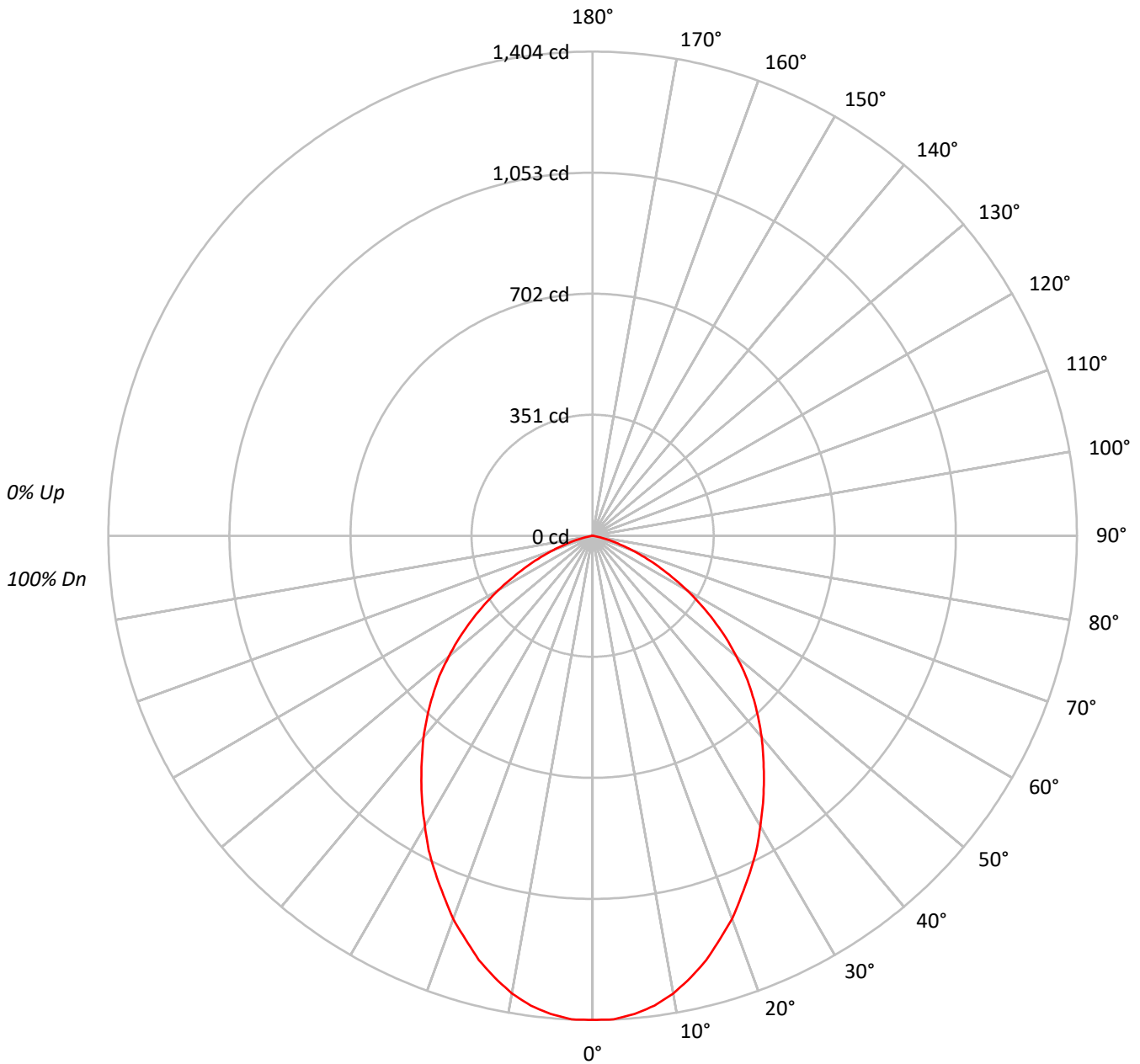
Lumens per Lamp: N/A
Luminaire Lumens: 2684.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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									
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	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°	172449
5°	171653
10°	168111
15°	161998
20°	154545
25°	146208
30°	137915
35°	129865
40°	122269
45°	113974
50°	103934
55°	91780
60°	77693
65°	60988
70°	43535
75°	23876
80°	4174
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	4.9
10°-20°	357.4	13.3
20°-30°	496.3	18.5
30°-40°	541.6	20.2
40°-50°	505.2	18.8
50°-60°	383.5	14.3
60°-70°	210.0	7.8
70°-80°	57.8	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°	985.2	36.7
0°-40°	1526.8	56.9
0°-60°	2415.4	90.0
0°-90°	2684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2684.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1404	
5°	1392	131
15°	1274	357
25°	1079	496
35°	866	542
45°	656	505
55°	428	383
65°	210	210
75°	50	58
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1403.7
2.5°	1403.7
5°	1391.9
7.5°	1374.2
10°	1347.6
12.5°	1312.1
15°	1273.7
17.5°	1226.5
20°	1182.1
22.5°	1128.9
25°	1078.6
27.5°	1028.4
30°	972.2
32.5°	919.1
35°	865.9
37.5°	812.7
40°	762.4
42.5°	709.2
45°	656.0
47.5°	602.8
50°	543.8
52.5°	487.6
55°	428.5
57.5°	372.3
60°	316.2
62.5°	260.1
65°	209.8
67.5°	162.5
70°	121.2
72.5°	82.8
75°	50.3
77.5°	23.6
80°	5.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)