

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: P840350

Luminaire Tested: **LDS4C30D010 EU4309030 4LBPSSQMB**

Issue Date: 8/24/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P840350
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 4LBPSSQMB
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

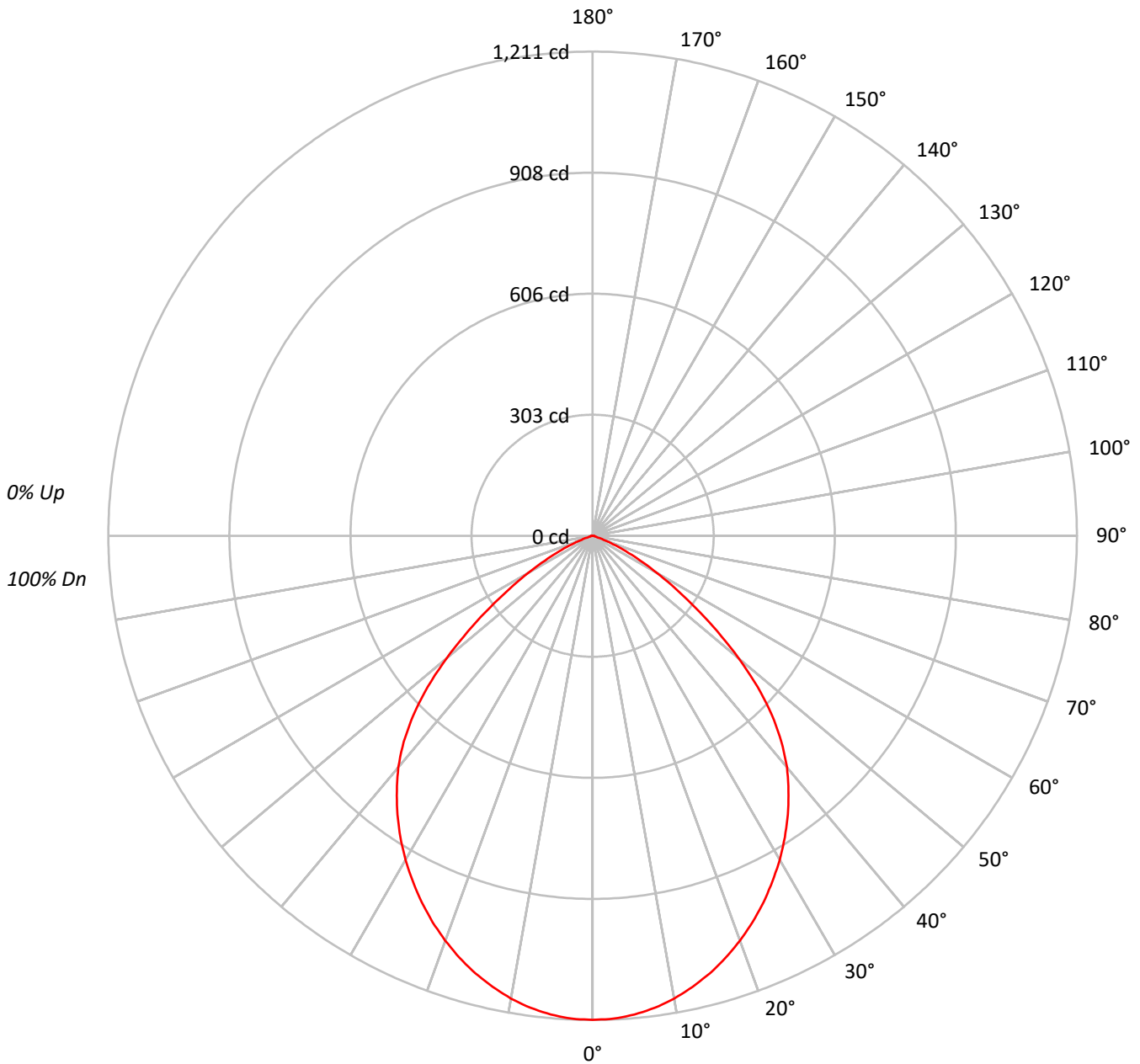
Lumens per Lamp: N/A
Luminaire Lumens: 2306.0 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
Input Voltage (V):
Input Current (Ain): 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: P840350

CATALOG NUMBER: LDS4C30D010 EU4309030 4LBPSSQMB

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°	116829
5°	116432
10°	115153
15°	113168
20°	110639
25°	107677
30°	104285
35°	100276
40°	95211
45°	86568
50°	71467
55°	52620
60°	35720
65°	20913
70°	8266
75°	1864
80°	2445
85°	4096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	4.9
10°-20°	319.0	13.8
20°-30°	465.3	20.2
30°-40°	531.1	23.0
40°-50°	482.9	20.9
50°-60°	284.8	12.3
60°-70°	95.5	4.1
70°-80°	10.0	0.4
80°-90°	3.5	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°	898.2	39.0
0°-40°	1429.4	62.0
0°-60°	2197.0	95.3
0°-90°	2306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2306.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1211	
5°	1202	114
15°	1133	319
25°	1011	465
35°	851	531
45°	634	483
55°	313	285
65°	92	96
75°	5	10
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1210.8
2.5°	1209.0
5°	1202.1
7.5°	1190.9
10°	1175.3
12.5°	1155.4
15°	1132.9
17.5°	1106.8
20°	1077.5
22.5°	1045.7
25°	1011.4
27.5°	974.0
30°	936.0
32.5°	894.3
35°	851.3
37.5°	804.5
40°	755.9
42.5°	699.2
45°	634.4
47.5°	559.6
50°	476.1
52.5°	392.6
55°	312.8
57.5°	244.9
60°	185.1
62.5°	134.0
65°	91.6
67.5°	56.1
70°	29.3
72.5°	11.2
75°	5.0
77.5°	5.0
80°	4.4
82.5°	3.7
85°	3.7
87.5°	3.1
90°	0.0



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— 0°-180°







(END OF REPORT)