

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: P840353

Luminaire Tested: **LDS4C30D010 EU4309035 4LPSSQMMS**

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: P840353
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 EU4309035 4LBPSSQMMS
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

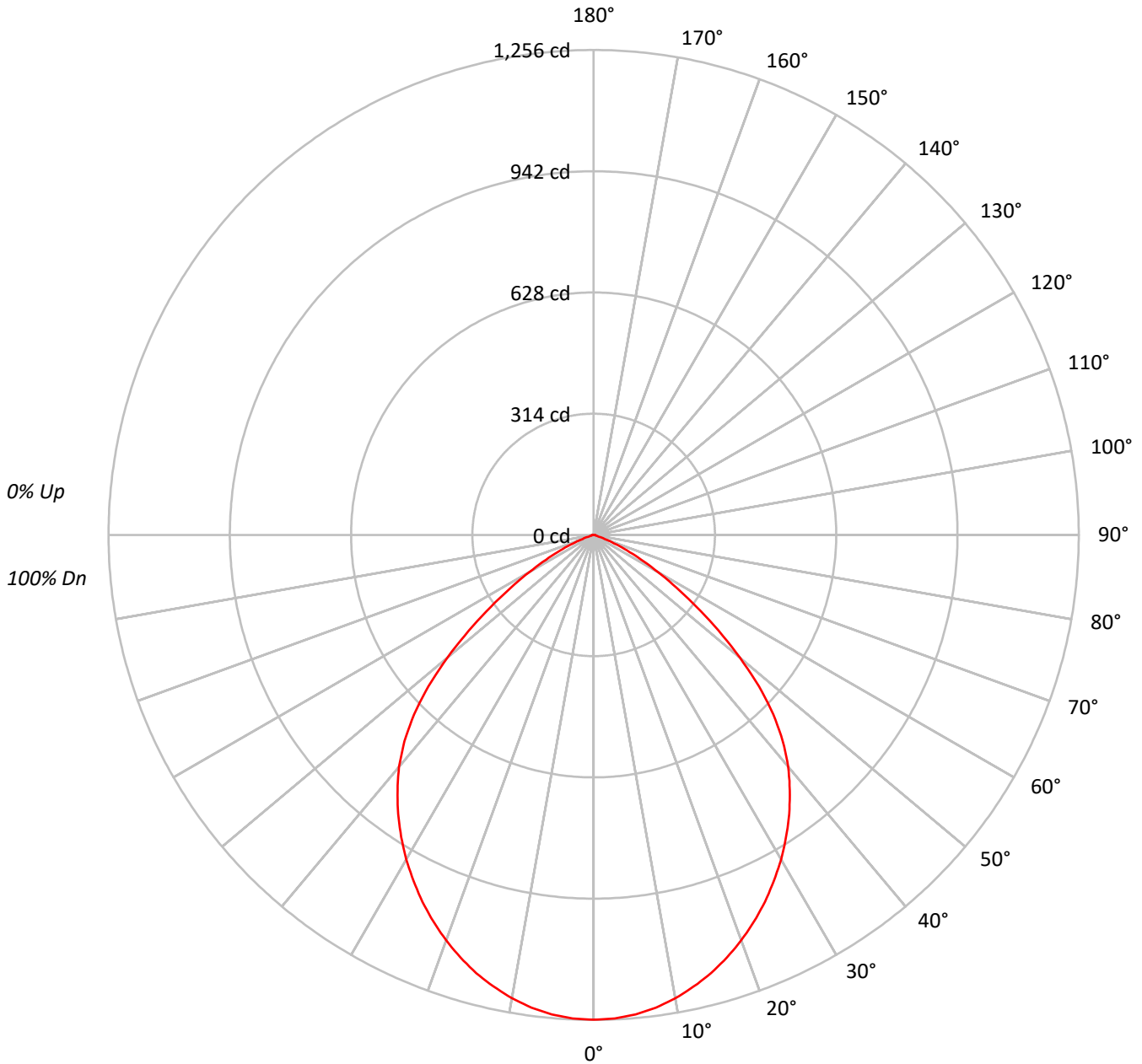
Lumens per Lamp: N/A
Luminaire Lumens: 2391.0 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
Input Voltage (V):
Input Current (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°	121142
5°	120723
10°	119395
15°	117344
20°	114716
25°	111648
30°	108129
35°	103963
40°	98725
45°	89761
50°	74109
55°	54572
60°	37032
65°	21690
70°	8576
75°	1939
80°	2500
85°	4318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	4.9
10°-20°	330.8	13.8
20°-30°	482.5	20.2
30°-40°	550.7	23.0
40°-50°	500.7	20.9
50°-60°	295.3	12.4
60°-70°	99.0	4.1
70°-80°	10.4	0.4
80°-90°	3.6	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°	931.3	39.0
0°-40°	1482.1	62.0
0°-60°	2278.0	95.3
0°-90°	2391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2391.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1256	
5°	1246	118
15°	1175	331
25°	1049	482
35°	883	551
45°	658	501
55°	324	295
65°	95	99
75°	5	10
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1255.5
2.5°	1253.5
5°	1246.4
7.5°	1234.8
10°	1218.6
12.5°	1198.0
15°	1174.7
17.5°	1147.6
20°	1117.2
22.5°	1084.2
25°	1048.7
27.5°	1009.9
30°	970.5
32.5°	927.2
35°	882.6
37.5°	834.2
40°	783.8
42.5°	725.0
45°	657.8
47.5°	580.2
50°	493.7
52.5°	407.1
55°	324.4
57.5°	253.9
60°	191.9
62.5°	138.9
65°	95.0
67.5°	58.2
70°	30.4
72.5°	11.6
75°	5.2
77.5°	5.2
80°	4.5
82.5°	3.9
85°	3.9
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)