

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: P840352

Luminaire Tested: **LDS4C30D010 EU4309035 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: P840352
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 4LBPSSQMB
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MB FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

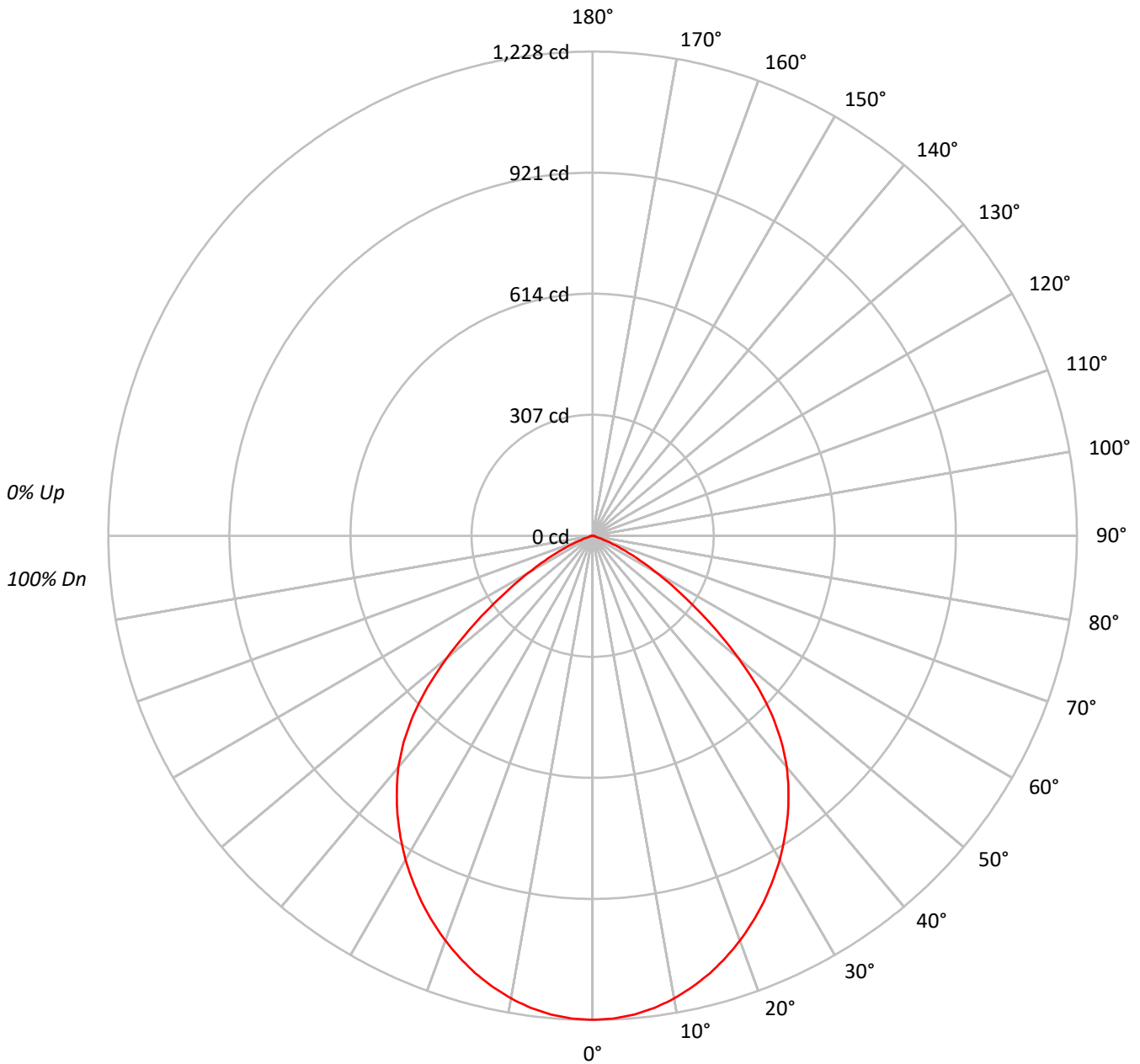
Lumens per Lamp: N/A
Luminaire Lumens: 2338.1 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P840352

CATALOG NUMBER: LDS4C30D010 EU4309035 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°	118450
5°	118050
10°	116750
15°	114747
20°	112169
25°	109179
30°	105734
35°	101666
40°	96534
45°	87768
50°	72458
55°	53360
60°	36222
65°	21210
70°	8379
75°	1901
80°	2445
85°	4207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	4.9
10°-20°	323.4	13.8
20°-30°	471.8	20.2
30°-40°	538.5	23.0
40°-50°	489.6	20.9
50°-60°	288.8	12.4
60°-70°	96.8	4.1
70°-80°	10.1	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°	910.7	39.0
0°-40°	1449.2	62.0
0°-60°	2227.5	95.3
0°-90°	2338.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2338.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1228	
5°	1219	115
15°	1149	323
25°	1026	472
35°	863	539
45°	643	490
55°	317	289
65°	93	97
75°	5	10
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1227.6
2.5°	1225.7
5°	1218.8
7.5°	1207.4
10°	1191.6
12.5°	1171.4
15°	1148.7
17.5°	1122.1
20°	1092.4
22.5°	1060.2
25°	1025.5
27.5°	987.5
30°	949.0
32.5°	906.7
35°	863.1
37.5°	815.7
40°	766.4
42.5°	708.9
45°	643.2
47.5°	567.4
50°	482.7
52.5°	398.1
55°	317.2
57.5°	248.3
60°	187.7
62.5°	135.8
65°	92.9
67.5°	56.9
70°	29.7
72.5°	11.4
75°	5.1
77.5°	5.1
80°	4.4
82.5°	3.8
85°	3.8
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)