

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: P840011

Luminaire Tested: **LDS4C40D010 EU4409030 4LBSGPH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P840011
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: LDS4C40D010 EU4409030 4LBSGPH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

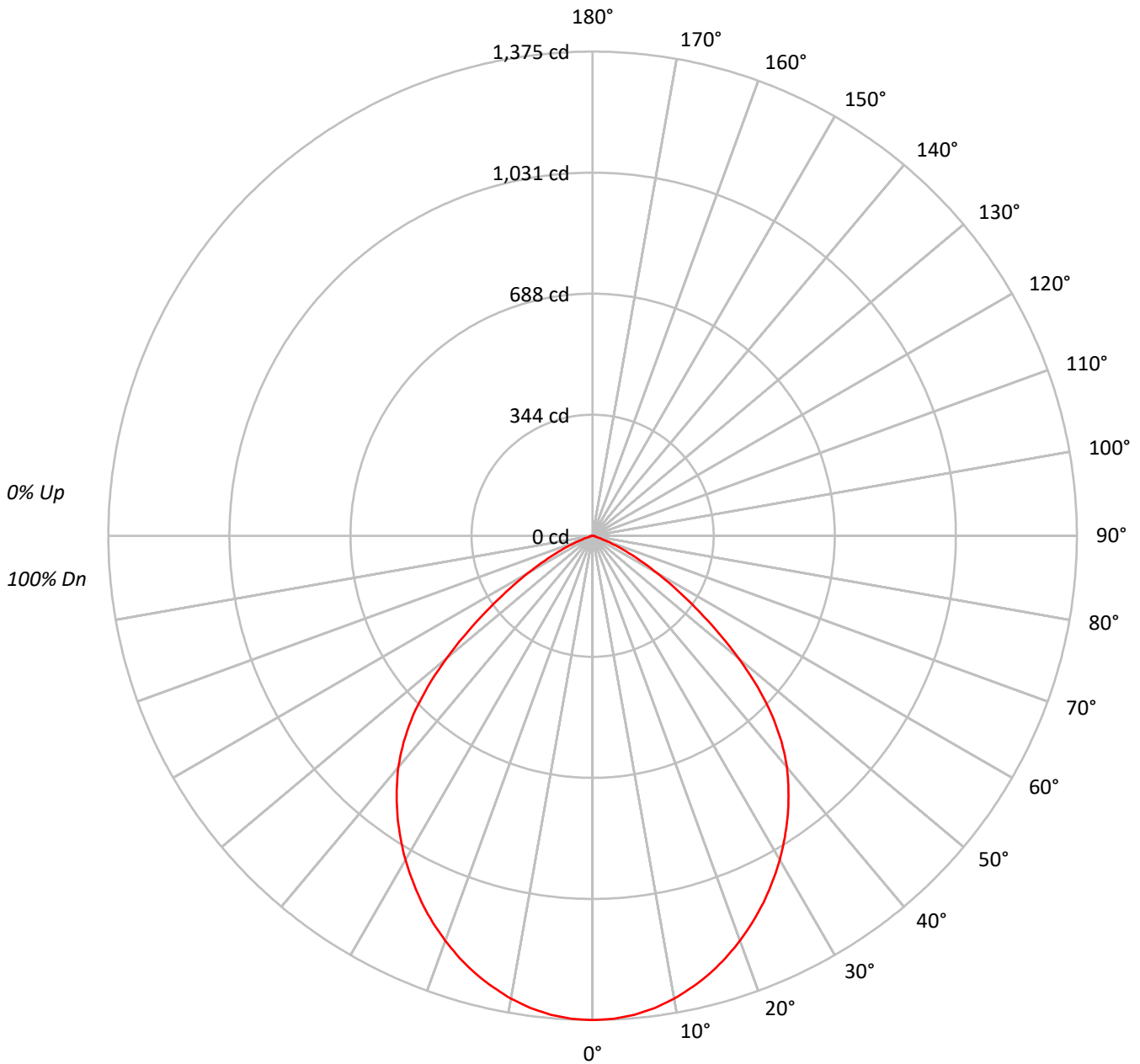
Lumens per Lamp: N/A
Luminaire Lumens: 2619.0 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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°	168948
5°	168373
10°	166515
15°	163652
20°	159984
25°	155711
30°	150810
35°	144997
40°	137681
45°	125180
50°	103342
55°	76101
60°	51648
65°	30232
70°	11961
75°	2706
80°	3537
85°	5920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.4	4.9
10°-20°	362.3	13.8
20°-30°	528.5	20.2
30°-40°	603.2	23.0
40°-50°	548.4	20.9
50°-60°	323.5	12.4
60°-70°	108.5	4.1
70°-80°	11.3	0.4
80°-90°	3.9	0.1
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°	1020.1	39.0
0°-40°	1623.4	62.0
0°-60°	2495.2	95.3
0°-90°	2619.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2619.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1375	
5°	1365	129
15°	1287	362
25°	1149	528
35°	967	603
45°	720	548
55°	355	323
65°	104	108
75°	6	11
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1375.2
2.5°	1373.1
5°	1365.3
7.5°	1352.5
10°	1334.8
12.5°	1312.2
15°	1286.7
17.5°	1257.0
20°	1223.7
22.5°	1187.6
25°	1148.7
27.5°	1106.2
30°	1063.1
32.5°	1015.6
35°	966.8
37.5°	913.7
40°	858.5
42.5°	794.1
45°	720.5
47.5°	635.6
50°	540.7
52.5°	445.9
55°	355.3
57.5°	278.2
60°	210.2
62.5°	152.2
65°	104.0
67.5°	63.7
70°	33.3
72.5°	12.7
75°	5.7
77.5°	5.7
80°	5.0
82.5°	4.2
85°	4.2
87.5°	3.5
90°	0.0



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— 0°-180°







(END OF REPORT)