

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: P#

Luminaire Tested: **LD4C70D010 EX4C709027 4LBSQH**

Issue Date: 2/9/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/9/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C70D010 EX4C709027 4LBSQH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBSQ TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

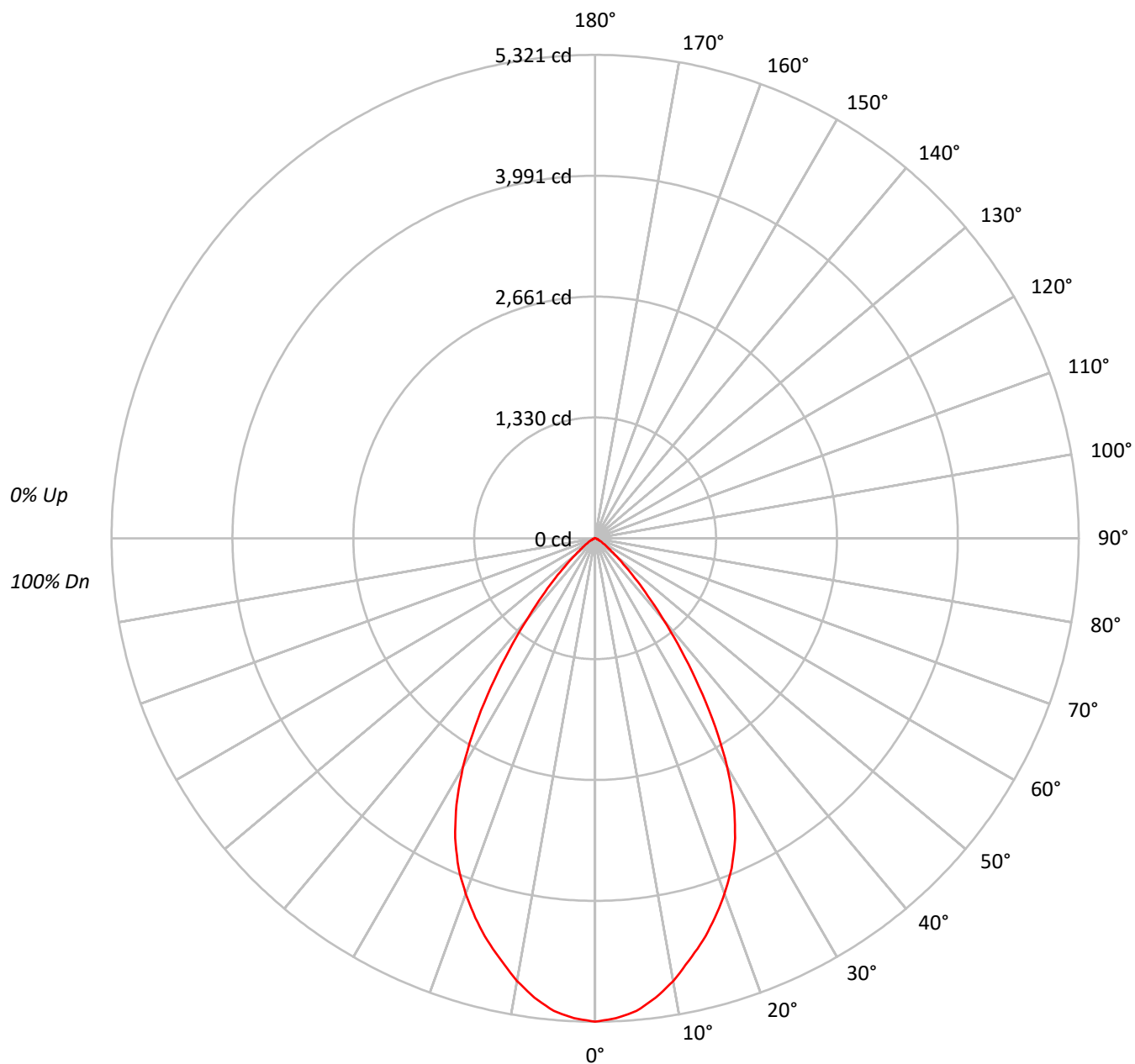
Lumens per Lamp: N/A
Luminaire Lumens: 5366.0 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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: P#

CATALOG NUMBER: LD4C70D010 EX4C709027 4LBSQH

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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105	111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	94	105	100	96	93		97	94	91		94	91	89		91	89	87
3	101	94	89	85	99	93	88	84		90	86	83		88	84	82		86	83	80
4	96	88	82	77	94	86	81	77		84	80	76		82	78	75		80	77	74
5	90	82	75	71	89	81	75	70		79	74	70		77	73	69		75	72	69
6	86	76	70	65	84	75	69	65		74	68	64		72	68	64		71	67	64
7	81	71	65	60	80	70	64	60		69	64	60		68	63	59		67	62	59
8	77	67	60	56	75	66	60	56		65	59	56		64	59	55		63	58	55
9	73	63	56	52	72	62	56	52		61	56	52		60	55	52		59	55	52
10	69	59	53	49	68	59	53	49		58	52	49		57	52	48		56	52	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	513388
5°	505935
10°	484792
15°	457888
20°	427411
25°	387996
30°	323941
35°	234675
40°	146904
45°	83975
50°	43787
55°	24527
60°	15631
65°	9247
70°	6855
75°	3020
80°	4501
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.6	9.1
10°-20°	1284.4	23.9
20°-30°	1650.7	30.8
30°-40°	1241.9	23.1
40°-50°	498.8	9.3
50°-60°	141.8	2.6
60°-70°	44.9	0.8
70°-80°	12.8	0.2
80°-90°	1.1	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°	3424.7	63.8
0°-40°	4666.6	87.0
0°-60°	5307.2	98.9
0°-90°	5366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5366.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5321	
5°	5224	490
15°	4584	1284
25°	3644	1651
35°	1992	1242
45°	615	499
55°	146	142
65°	40	45
75°	8	13
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5320.7
2.5°	5288.3
5°	5223.5
7.5°	5102.0
10°	4948.0
12.5°	4762.1
15°	4583.8
17.5°	4381.3
20°	4162.5
22.5°	3927.9
25°	3644.4
27.5°	3304.1
30°	2907.5
32.5°	2461.9
35°	1992.3
37.5°	1554.8
40°	1166.3
42.5°	858.4
45°	615.4
47.5°	421.3
50°	291.7
52.5°	202.5
55°	145.8
57.5°	105.3
60°	81.0
62.5°	56.7
65°	40.5
67.5°	32.4
70°	24.3
72.5°	16.2
75°	8.1
77.5°	8.1
80°	8.1
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)