

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: P839378

Luminaire Tested: **LD4C70D010 EU4709035 4LBSH**

Issue Date: 2/14/2022

Test Information

Test Method: LM-79-08
Report Number: P839378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C70D010 EU4709035 4LBSH
Description: 4 INCH 7000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

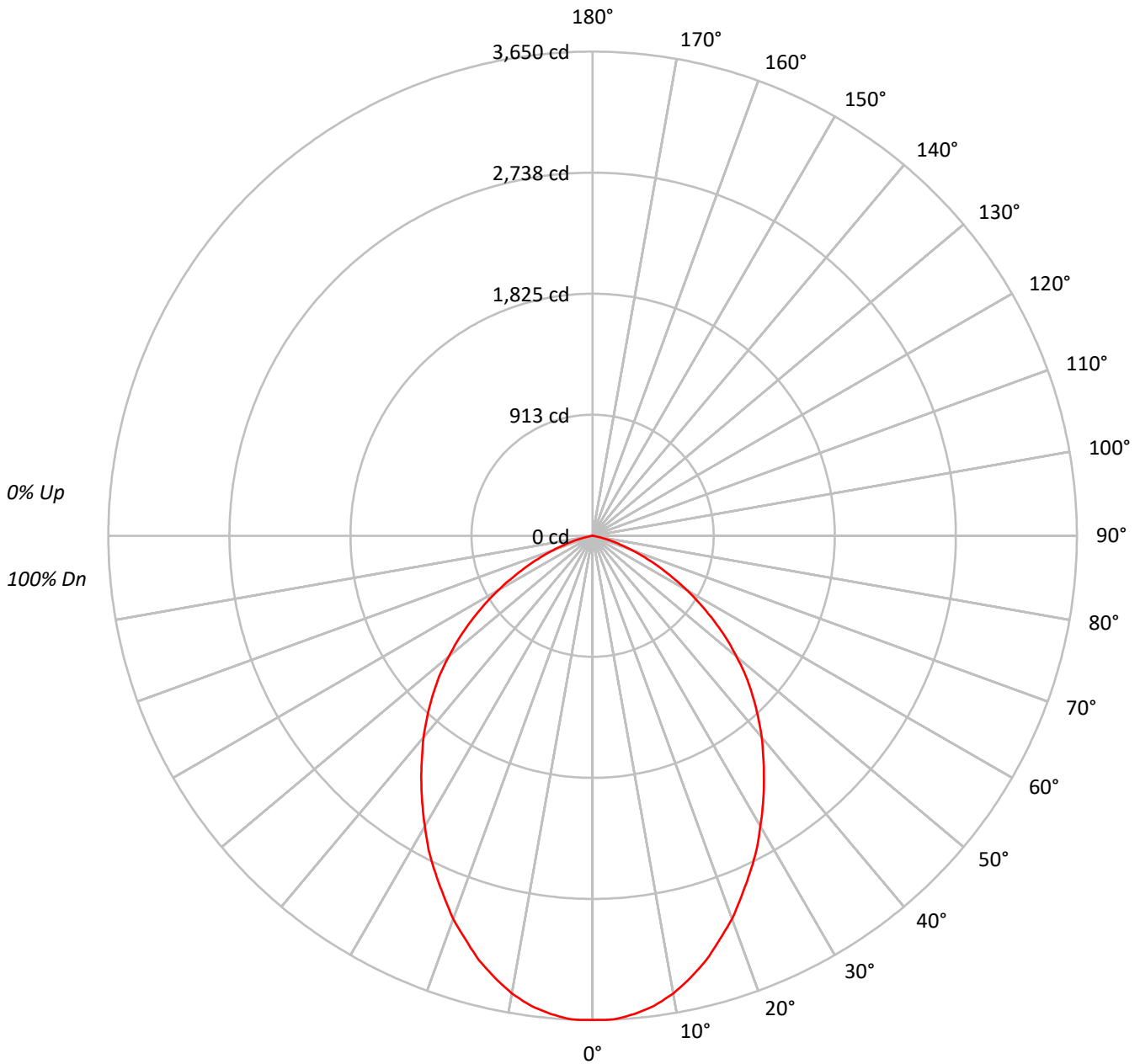
Lumens per Lamp: N/A
Luminaire Lumens: 6979.0 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 78
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				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				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77				77
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67				67
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58				58
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51				51
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46				46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41				41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37				37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34				34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31				31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	448415
5°	446330
10°	437119
15°	421232
20°	401849
25°	380188
30°	358634
35°	337657
40°	317941
45°	296367
50°	270252
55°	238670
60°	202020
65°	158604
70°	113184
75°	62039
80°	10895
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.9	4.9
10°-20°	929.3	13.3
20°-30°	1290.5	18.5
30°-40°	1408.2	20.2
40°-50°	1313.7	18.8
50°-60°	997.1	14.3
60°-70°	546.0	7.8
70°-80°	150.2	2.2
80°-90°	2.1	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°	2561.7	36.7
0°-40°	3969.9	56.9
0°-60°	6280.7	90.0
0°-90°	6979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6979.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3650	
5°	3619	342
15°	3312	929
25°	2805	1291
35°	2251	1408
45°	1706	1314
55°	1114	997
65°	546	546
75°	131	150
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3650.0
2.5°	3650.0
5°	3619.2
7.5°	3573.3
10°	3504.0
12.5°	3411.9
15°	3311.9
17.5°	3189.1
20°	3073.7
22.5°	2935.3
25°	2804.7
27.5°	2674.2
30°	2528.1
32.5°	2389.8
35°	2251.4
37.5°	2113.1
40°	1982.5
42.5°	1844.2
45°	1705.8
47.5°	1567.5
50°	1414.0
52.5°	1267.8
55°	1114.3
57.5°	968.1
60°	822.2
62.5°	676.3
65°	545.6
67.5°	422.6
70°	315.1
72.5°	215.2
75°	130.7
77.5°	61.4
80°	15.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)