

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: P839276

Luminaire Tested: **LD4C35D010 EU4359040 4LBSH**

Issue Date: 2/14/2022

Test Information

Test Method: LM-79-08
Report Number: P839276
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: LD4C35D010 EU4359040 4LBSH
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

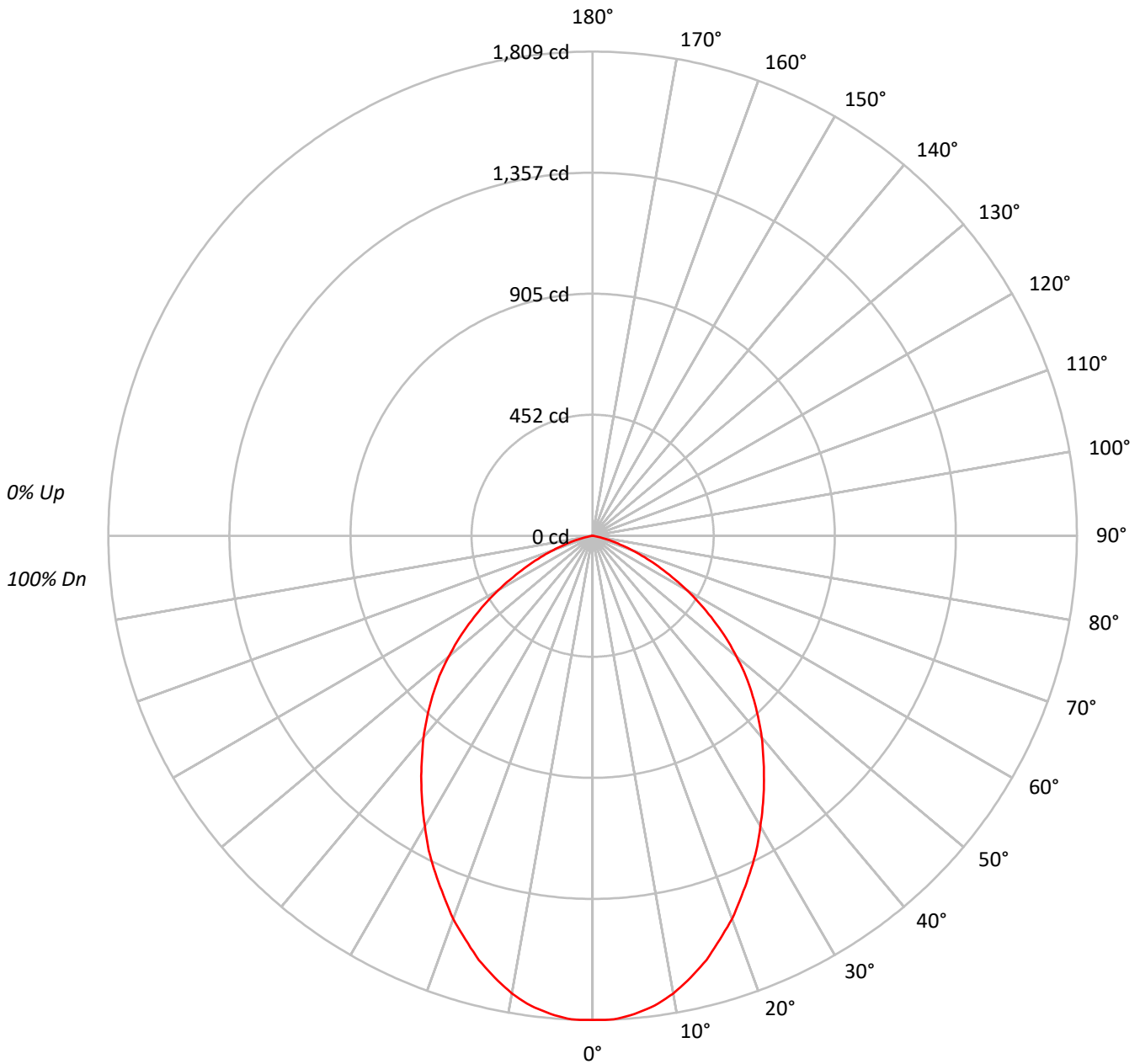
Lumens per Lamp: N/A
Luminaire Lumens: 3459.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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			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°	222242
5°	221216
10°	216651
15°	208778
20°	199166
25°	188433
30°	177749
35°	167359
40°	157583
45°	146898
50°	133941
55°	118296
60°	100126
65°	78604
70°	56107
75°	30759
80°	5448
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	4.9
10°-20°	460.6	13.3
20°-30°	639.6	18.5
30°-40°	698.0	20.2
40°-50°	651.1	18.8
50°-60°	494.2	14.3
60°-70°	270.6	7.8
70°-80°	74.5	2.2
80°-90°	1.0	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°	1269.6	36.7
0°-40°	1967.6	56.9
0°-60°	3112.9	90.0
0°-90°	3459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3459.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1809	
5°	1794	169
15°	1642	461
25°	1390	640
35°	1116	698
45°	846	651
55°	552	494
65°	270	271
75°	65	74
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1809.0
2.5°	1809.0
5°	1793.8
7.5°	1771.0
10°	1736.7
12.5°	1691.0
15°	1641.5
17.5°	1580.6
20°	1523.4
22.5°	1454.8
25°	1390.1
27.5°	1325.4
30°	1253.0
32.5°	1184.4
35°	1115.9
37.5°	1047.3
40°	982.6
42.5°	914.0
45°	845.5
47.5°	776.9
50°	700.8
52.5°	628.4
55°	552.3
57.5°	479.8
60°	407.5
62.5°	335.2
65°	270.4
67.5°	209.4
70°	156.2
72.5°	106.7
75°	64.8
77.5°	30.4
80°	7.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)