

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: P857783

Luminaire Tested: **LX4C35D010 EX4C359040 4LBNLI**

Issue Date: 1/21/2022



Test Information

Test Method: LM-79-08
Report Number: P857783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208279)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C35D010 EX4C359040 4LBNLI
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBN TRIM WITH LI FINISH
Light Source: -
Ballast/Driver:

Summary

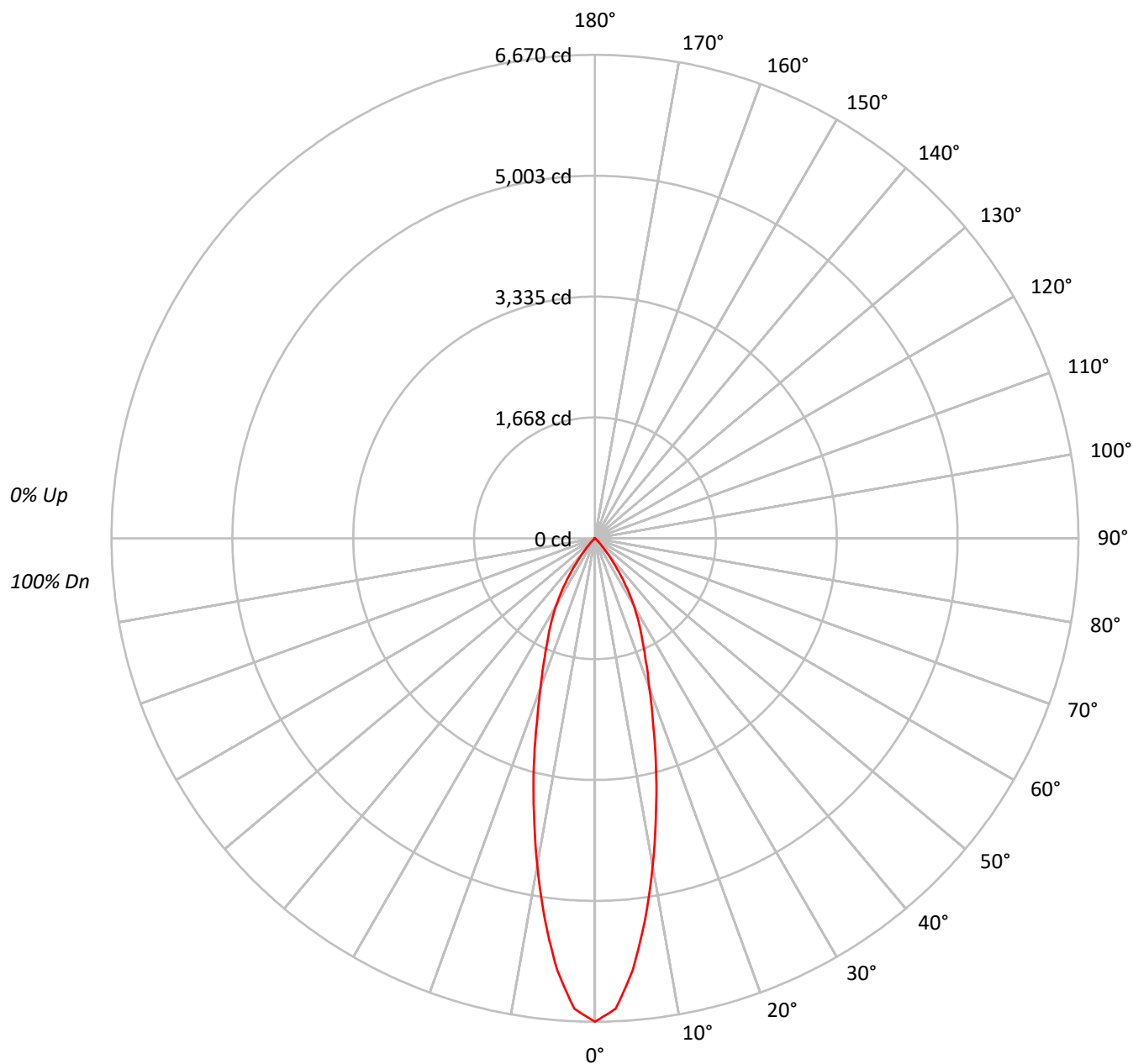
Lumens per Lamp: N/A
Luminaire Lumens: 2592.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.54
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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

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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
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			99
2	109	105	102	99		107	103	100	98		100	98	95			97	95	93			95
3	105	99	95	92		103	98	94	91		95	92	89			93	90	88			91
4	101	94	89	86		99	93	88	85		91	87	84			89	86	83			87
5	96	89	84	80		95	88	84	80		87	82	79			85	81	79			83
6	92	85	80	76		91	84	79	76		83	78	75			81	78	75			80
7	89	81	76	72		88	80	75	72		79	75	71			78	74	71			77
8	85	77	72	68		84	77	72	68		76	71	68			75	71	68			74
9	82	74	69	65		81	73	68	65		72	68	65			72	68	65			71
10	79	71	66	62		78	70	65	62		69	65	62			69	65	62			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	819470
5°	737445
10°	571673
15°	413778
20°	286512
25°	208875
30°	151761
35°	89806
40°	37768
45°	11780
50°	1529
55°	857
60°	983
65°	1163
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.7	20.3
10°-20°	899.9	34.7
20°-30°	715.2	27.6
30°-40°	378.6	14.6
40°-50°	65.2	2.5
50°-60°	4.9	0.2
60°-70°	2.4	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	2140.8	82.6
0°-40°	2519.5	97.2
0°-60°	2589.6	99.9
0°-90°	2592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2592.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6670	
5°	5980	526
15°	3253	900
25°	1541	715
35°	599	379
45°	68	65
55°	4	5
65°	4	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6670.3
2.5°	6498.6
5°	5979.8
7.5°	5301.2
10°	4582.6
12.5°	3888.1
15°	3253.3
17.5°	2662.5
20°	2191.5
22.5°	1832.2
25°	1540.9
27.5°	1305.4
30°	1069.8
32.5°	830.3
35°	598.8
37.5°	395.3
40°	235.5
42.5°	135.8
45°	67.8
47.5°	24.0
50°	8.0
52.5°	8.0
55°	4.0
57.5°	4.0
60°	4.0
62.5°	4.0
65°	4.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)