

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: P859647

Luminaire Tested: **LX4C08D010 EU4089030 4LBHYLI**

Issue Date: 7/20/2023



Test Information

Test Method: LM-79-08
Report Number: P859647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2301-896-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/20/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C08D010 EU4089030 4LBHYLI
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBHYP TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

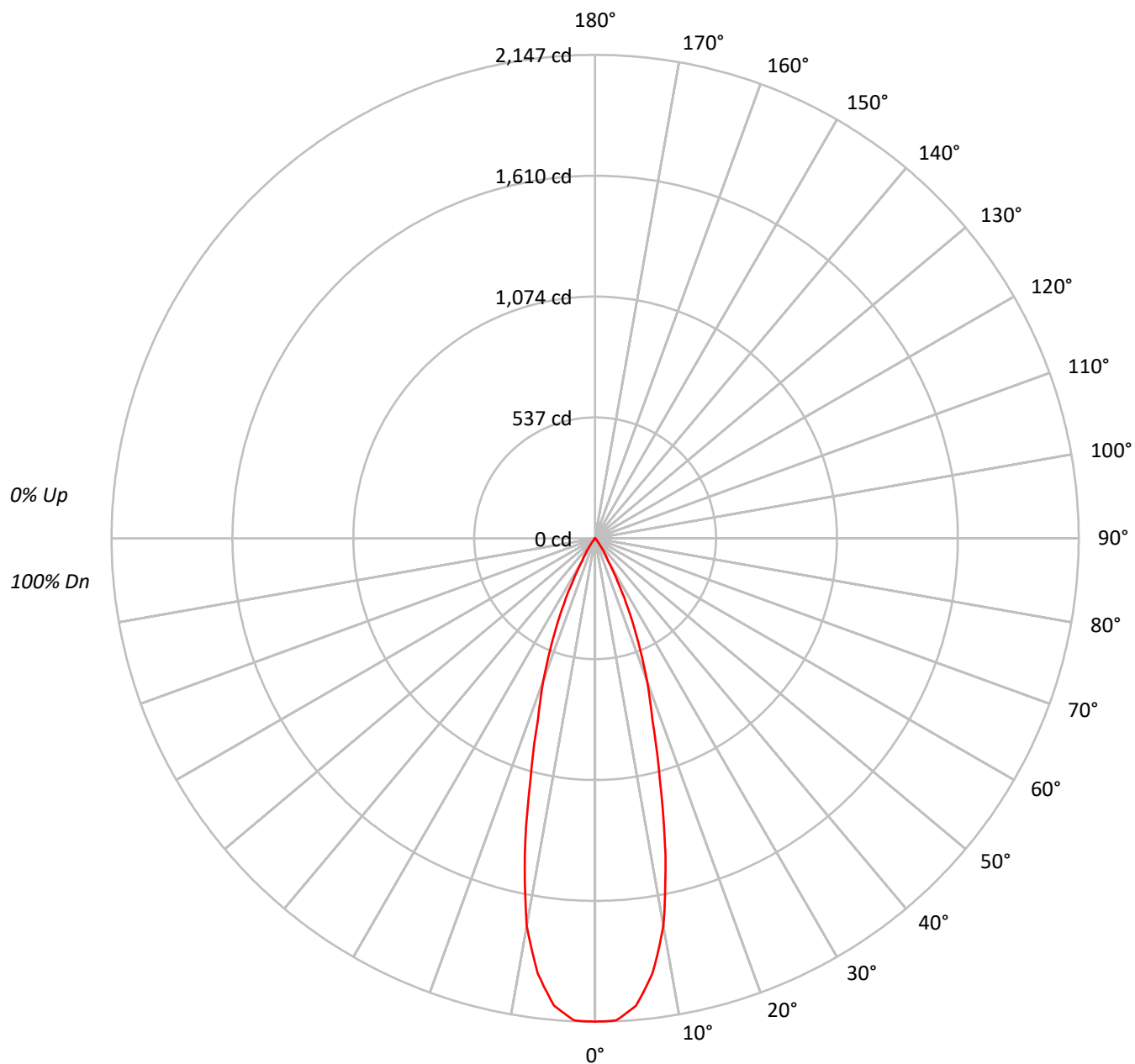
Lumens per Lamp: N/A
Luminaire Lumens: 694.0 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P859647

CATALOG NUMBER: LX4C08D010 EU4089030 4LBHYLI

Luminous Intensity Polar Plot





TEST NUMBER: P859647

CATALOG NUMBER: LX4C08D010 EU4089030 4LBHYLI

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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	109	112	110	109	107		106	105	104		103	102	101		99	99	98
2	111	107	104	101	109	105	102	100		102	100	98		99	97	96		97	95	94
3	107	102	98	95	105	101	97	94		98	95	93		96	93	91		94	92	90
4	103	98	93	90	102	96	93	90		94	91	89		93	90	88		91	89	87
5	100	94	89	86	98	93	89	86		91	87	85		89	86	84		88	85	83
6	97	90	85	82	95	89	85	82		88	84	81		87	83	81		85	83	80
7	93	87	82	79	92	86	82	79		85	81	78		84	80	78		83	80	78
8	91	83	79	76	90	83	79	76		82	78	75		81	78	75		80	77	75
9	88	81	76	73	87	80	76	73		79	76	73		79	75	73		78	75	72
10	85	78	74	71	84	78	73	71		77	73	70		76	73	70		76	72	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	263754
5°	257091
10°	217961
15°	141280
20°	87738
25°	47227
30°	16229
35°	6539
40°	1748
45°	782
50°	306
55°	129
60°	74
65°	87
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P859647

CATALOG NUMBER: LX4C08D010 EU4089030 4LBHYLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.0	27.1
10°-20°	310.1	44.7
20°-30°	160.8	23.2
30°-40°	30.4	4.4
40°-50°	3.9	0.6
50°-60°	0.5	0.1
60°-70°	0.2	0.0
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°	659.0	95.0
0°-40°	689.4	99.3
0°-60°	693.8	100.0
0°-90°	694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	694.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2147	
5°	2085	188
15°	1111	310
25°	348	161
35°	44	30
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P859647

CATALOG NUMBER: LX4C08D010 EU4089030 4LBHYLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2146.9
2.5°	2143.3
5°	2084.7
7.5°	1950.1
10°	1747.2
12.5°	1441.8
15°	1110.8
17.5°	843.5
20°	671.1
22.5°	500.3
25°	348.4
27.5°	214.1
30°	114.4
32.5°	77.2
35°	43.6
37.5°	18.9
40°	10.9
42.5°	7.1
45°	4.5
47.5°	2.6
50°	1.6
52.5°	0.6
55°	0.6
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
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



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)