

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: P857536

Luminaire Tested: **LX4C30D010 EX4C309030 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C30D010 EX4C309030 4LBMH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

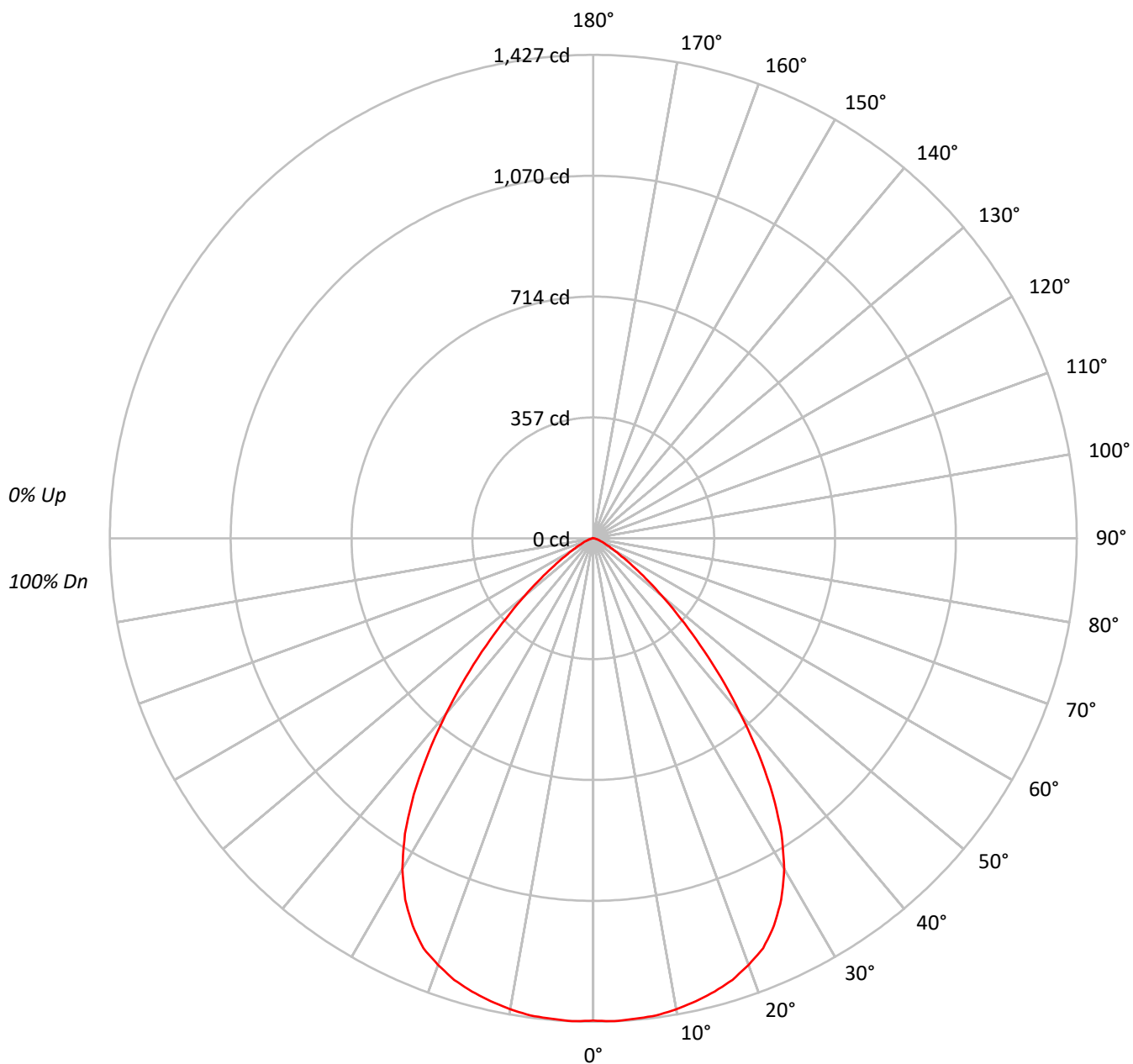
Lumens per Lamp: N/A
Luminaire Lumens: 2209.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	75	65	58	53	63	57	53		62	56	52		61
8	72	60	53	49	70	60	53	49	59	53	48		58	52	48		57
9	68	56	49	45	66	56	49	45	55	49	44		54	48	44		53
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	174919
5°	175587
10°	176120
15°	176129
20°	175163
25°	171055
30°	159889
35°	138458
40°	108156
45°	77610
50°	50419
55°	30179
60°	17666
65°	11337
70°	7543
75°	5696
80°	4245
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.6	6.1
10°-20°	390.7	17.7
20°-30°	576.5	26.1
30°-40°	568.9	25.8
40°-50°	348.2	15.8
50°-60°	133.5	6.0
60°-70°	41.7	1.9
70°-80°	12.2	0.6
80°-90°	1.6	0.1
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°	1102.8	49.9
0°-40°	1671.7	75.7
0°-60°	2153.4	97.5
0°-90°	2209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2209.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1424	
5°	1424	136
15°	1385	391
25°	1262	577
35°	923	569
45°	447	348
55°	141	133
65°	39	42
75°	12	12
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1423.8
2.5°	1426.8
5°	1423.8
7.5°	1420.8
10°	1411.8
12.5°	1399.8
15°	1384.8
17.5°	1366.8
20°	1339.8
22.5°	1310.0
25°	1261.9
27.5°	1201.9
30°	1127.1
32.5°	1034.2
35°	923.2
37.5°	800.3
40°	674.4
42.5°	557.5
45°	446.7
47.5°	347.6
50°	263.8
52.5°	194.9
55°	140.9
57.5°	98.9
60°	71.9
62.5°	54.0
65°	39.0
67.5°	30.0
70°	21.0
72.5°	15.0
75°	12.0
77.5°	6.0
80°	6.0
82.5°	3.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)