

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: P857599

Luminaire Tested: **LX4C30D010 EX4C309050 4LBMH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857599
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 EX4C309050 4LBMH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 4LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

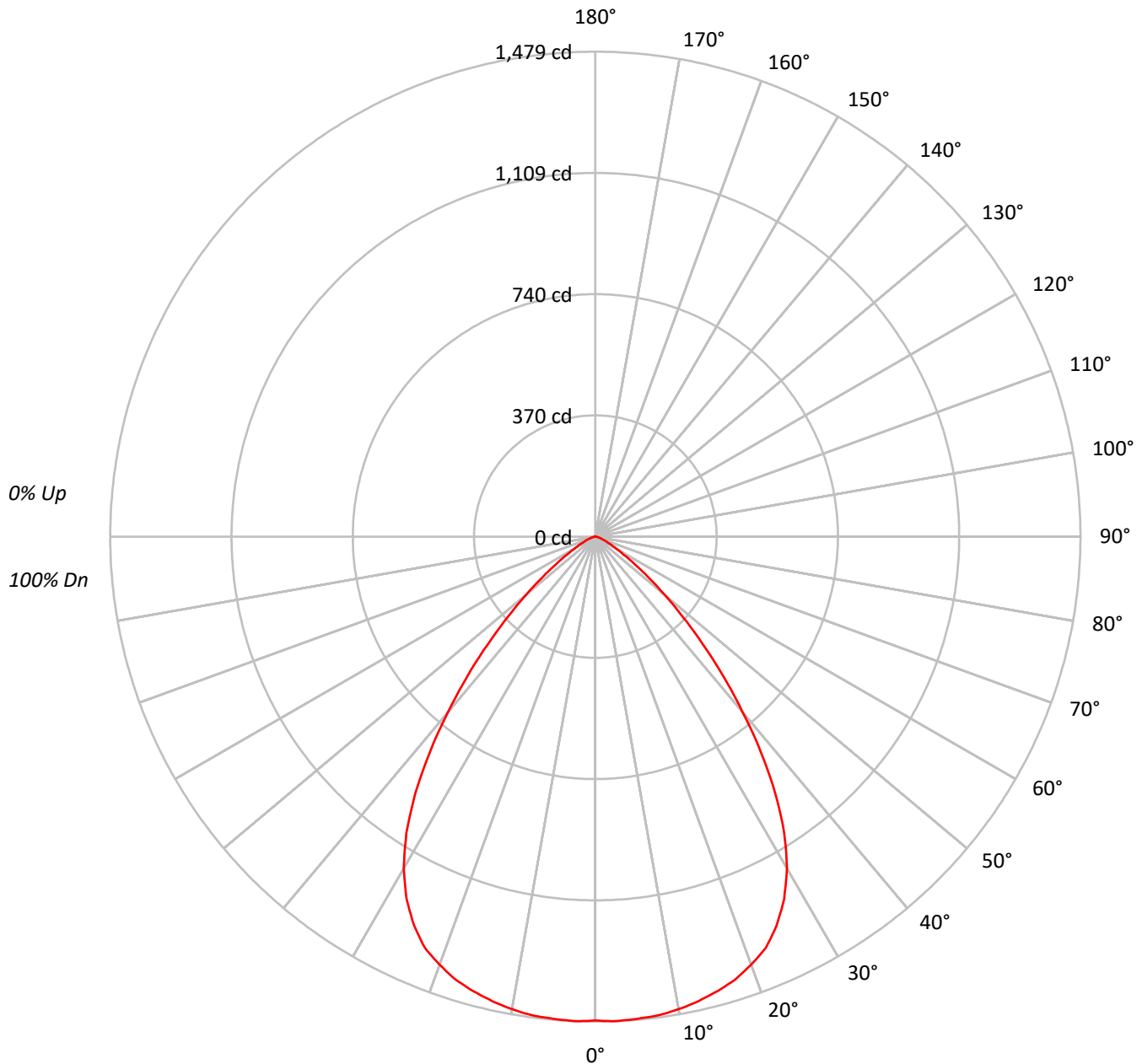
Lumens per Lamp: N/A
Luminaire Lumens: 2289.9 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	181332
5°	182024
10°	182582
15°	182590
20°	181582
25°	177331
30°	165748
35°	143527
40°	112117
45°	80442
50°	52254
55°	31272
60°	18305
65°	11744
70°	7831
75°	5886
80°	4386
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	6.1
10°-20°	405.0	17.7
20°-30°	597.7	26.1
30°-40°	589.8	25.8
40°-50°	360.9	15.8
50°-60°	138.3	6.0
60°-70°	43.3	1.9
70°-80°	12.7	0.6
80°-90°	1.7	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°	1143.2	49.9
0°-40°	1733.0	75.7
0°-60°	2232.3	97.5
0°-90°	2289.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2289.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1476	
5°	1476	141
15°	1436	405
25°	1308	598
35°	957	590
45°	463	361
55°	146	138
65°	40	43
75°	12	13
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1476.0
2.5°	1479.2
5°	1476.0
7.5°	1472.9
10°	1463.6
12.5°	1451.2
15°	1435.6
17.5°	1416.9
20°	1388.9
22.5°	1358.0
25°	1308.2
27.5°	1246.0
30°	1168.4
32.5°	1072.1
35°	957.0
37.5°	829.6
40°	699.1
42.5°	578.0
45°	463.0
47.5°	360.4
50°	273.4
52.5°	202.0
55°	146.0
57.5°	102.5
60°	74.5
62.5°	56.0
65°	40.4
67.5°	31.1
70°	21.8
72.5°	15.6
75°	12.4
77.5°	6.2
80°	6.2
82.5°	3.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)