

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: P857921

Luminaire Tested: **LX4C40D010 EX4C409030 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P857921
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: LX4C40D010 EX4C409030 4LBWH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver:

Summary

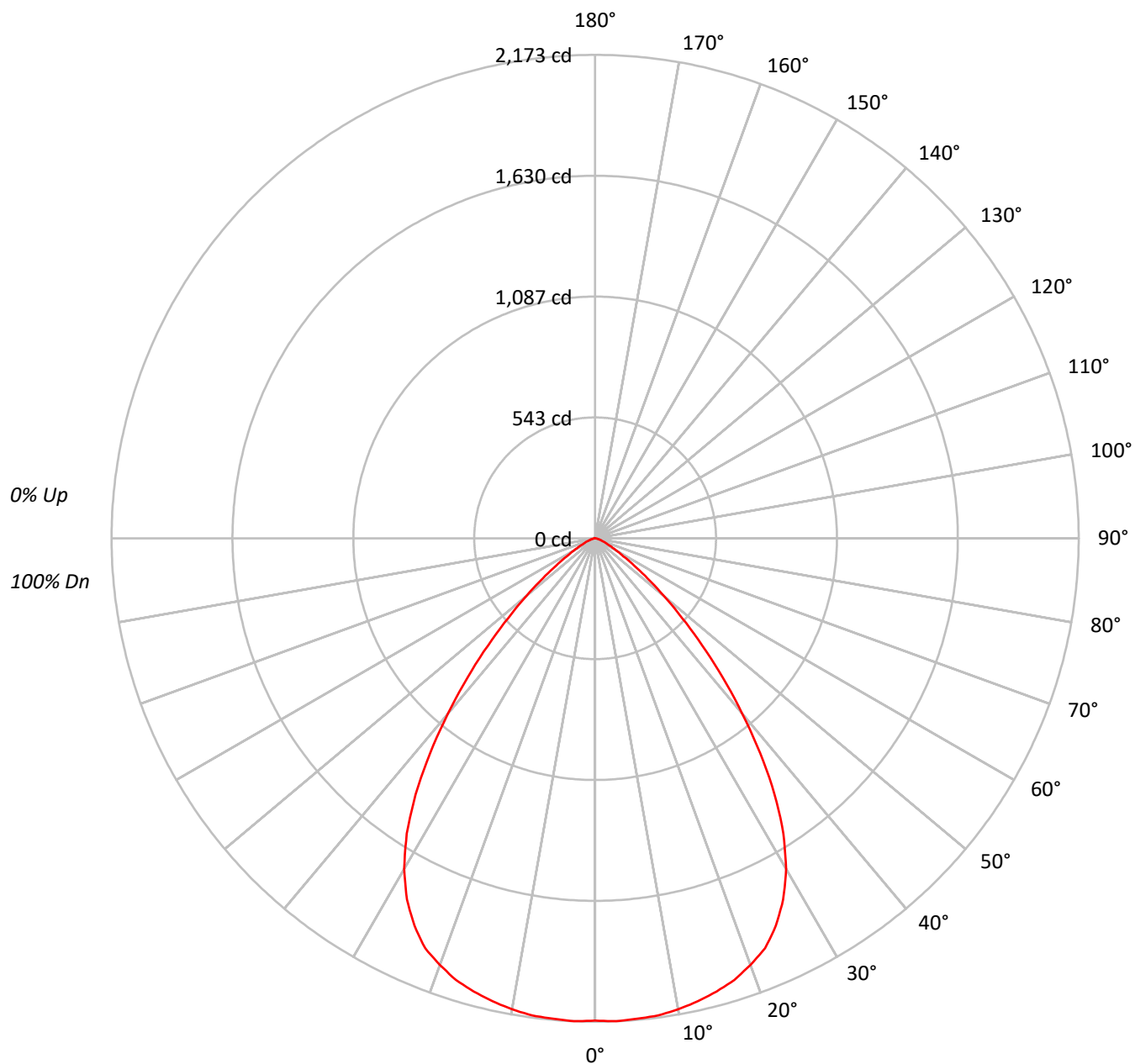
Lumens per Lamp: N/A
Luminaire Lumens: 3364.0 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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°	266383
5°	267401
10°	268210
15°	268225
20°	266758
25°	260507
30°	243487
35°	210852
40°	164704
45°	118179
50°	76775
55°	45943
60°	26905
65°	17267
70°	11494
75°	8686
80°	6438
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.5	6.1
10°-20°	595.0	17.7
20°-30°	878.0	26.1
30°-40°	866.4	25.8
40°-50°	530.2	15.8
50°-60°	203.3	6.0
60°-70°	63.6	1.9
70°-80°	18.6	0.6
80°-90°	2.5	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°	1679.4	49.9
0°-40°	2545.9	75.7
0°-60°	3279.3	97.5
0°-90°	3364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3364.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2168	
5°	2168	206
15°	2109	595
25°	1922	878
35°	1406	866
45°	680	530
55°	214	203
65°	59	64
75°	18	19
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2168.3
2.5°	2172.9
5°	2168.3
7.5°	2163.7
10°	2150.0
12.5°	2131.7
15°	2108.9
17.5°	2081.5
20°	2040.4
22.5°	1994.9
25°	1921.8
27.5°	1830.4
30°	1716.4
32.5°	1574.9
35°	1405.9
37.5°	1218.7
40°	1027.0
42.5°	849.0
45°	680.2
47.5°	529.4
50°	401.7
52.5°	296.8
55°	214.5
57.5°	150.6
60°	109.5
62.5°	82.2
65°	59.4
67.5°	45.7
70°	32.0
72.5°	22.8
75°	18.3
77.5°	9.1
80°	9.1
82.5°	4.6
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)