

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: P858000

Luminaire Tested: **LX4C40D010 EX4C409827 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P858000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C40D010 EX4C409827 4LBSH
Description:
Light Source: -
Ballast/Driver: -

Summary

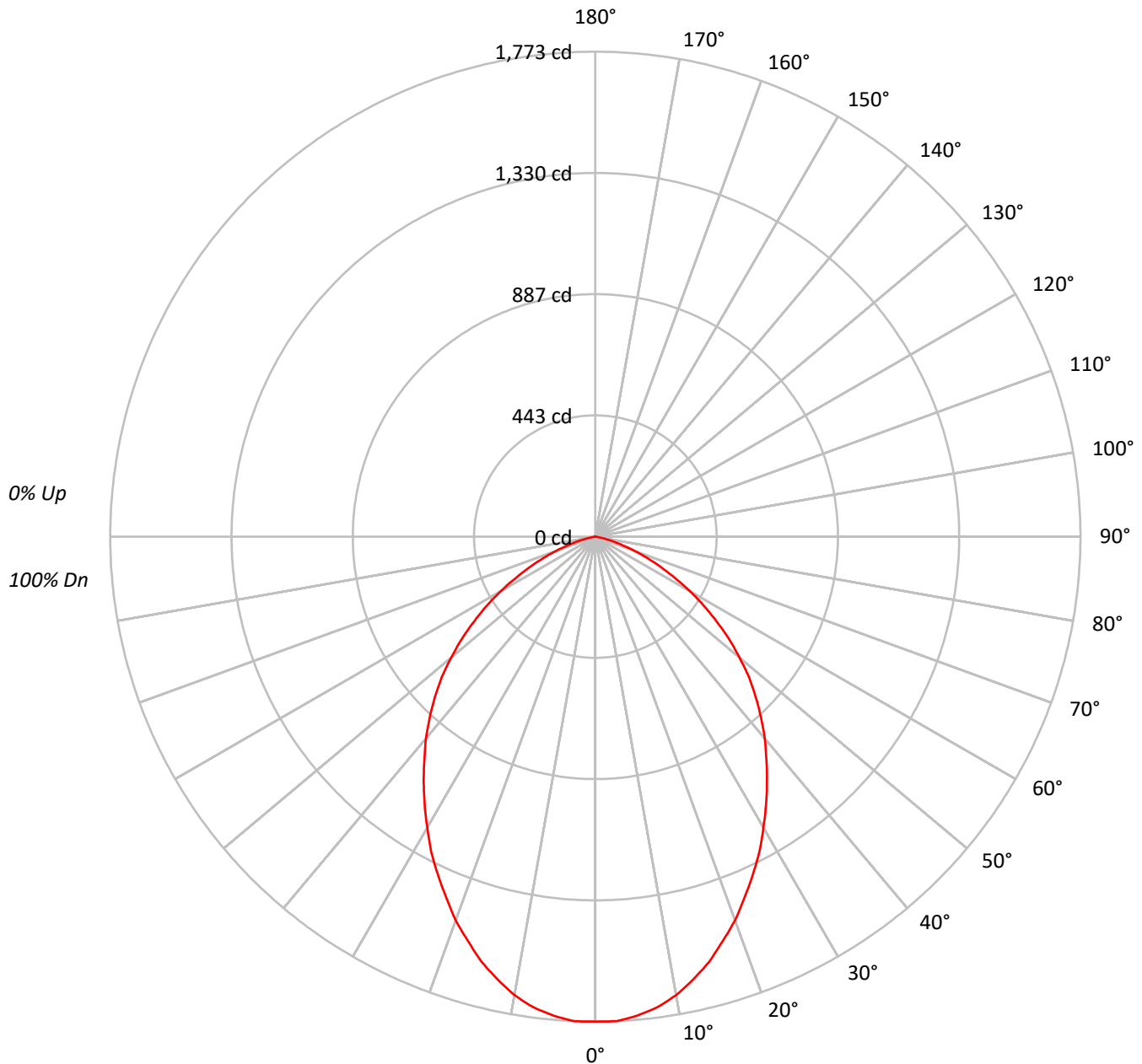
Lumens per Lamp: N/A
Luminaire Lumens: 3390.4 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77		
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67		
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58		
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51		
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46		
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41		
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37		
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34		
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	217831
5°	216826
10°	212347
15°	204644
20°	195218
25°	184692
30°	174217
35°	164029
40°	154456
45°	143979
50°	131285
55°	115940
60°	98135
65°	77034
70°	54993
75°	30142
80°	5306
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.1	4.9
10°-20°	451.4	13.3
20°-30°	626.9	18.5
30°-40°	684.1	20.2
40°-50°	638.2	18.8
50°-60°	484.4	14.3
60°-70°	265.2	7.8
70°-80°	73.0	2.2
80°-90°	1.0	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°	1244.4	36.7
0°-40°	1928.6	56.9
0°-60°	3051.1	90.0
0°-90°	3390.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3390.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1773	
5°	1758	166
15°	1609	451
25°	1362	627
35°	1094	684
45°	829	638
55°	541	484
65°	265	265
75°	64	73
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1773.1
2.5°	1773.1
5°	1758.2
7.5°	1735.9
10°	1702.2
12.5°	1657.5
15°	1609.0
17.5°	1549.2
20°	1493.2
22.5°	1426.0
25°	1362.5
27.5°	1299.1
30°	1228.1
32.5°	1161.0
35°	1093.7
37.5°	1026.6
40°	963.1
42.5°	895.9
45°	828.7
47.5°	761.5
50°	686.9
52.5°	615.9
55°	541.3
57.5°	470.3
60°	399.4
62.5°	328.5
65°	265.0
67.5°	205.3
70°	153.1
72.5°	104.5
75°	63.5
77.5°	29.9
80°	7.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)