

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: P857286

Luminaire Tested: **LX4C20D010 EX4C209850 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P857286
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: LX4C20D010 EX4C209850 4LBSH
Description:
Light Source: -
Ballast/Driver: -

Summary

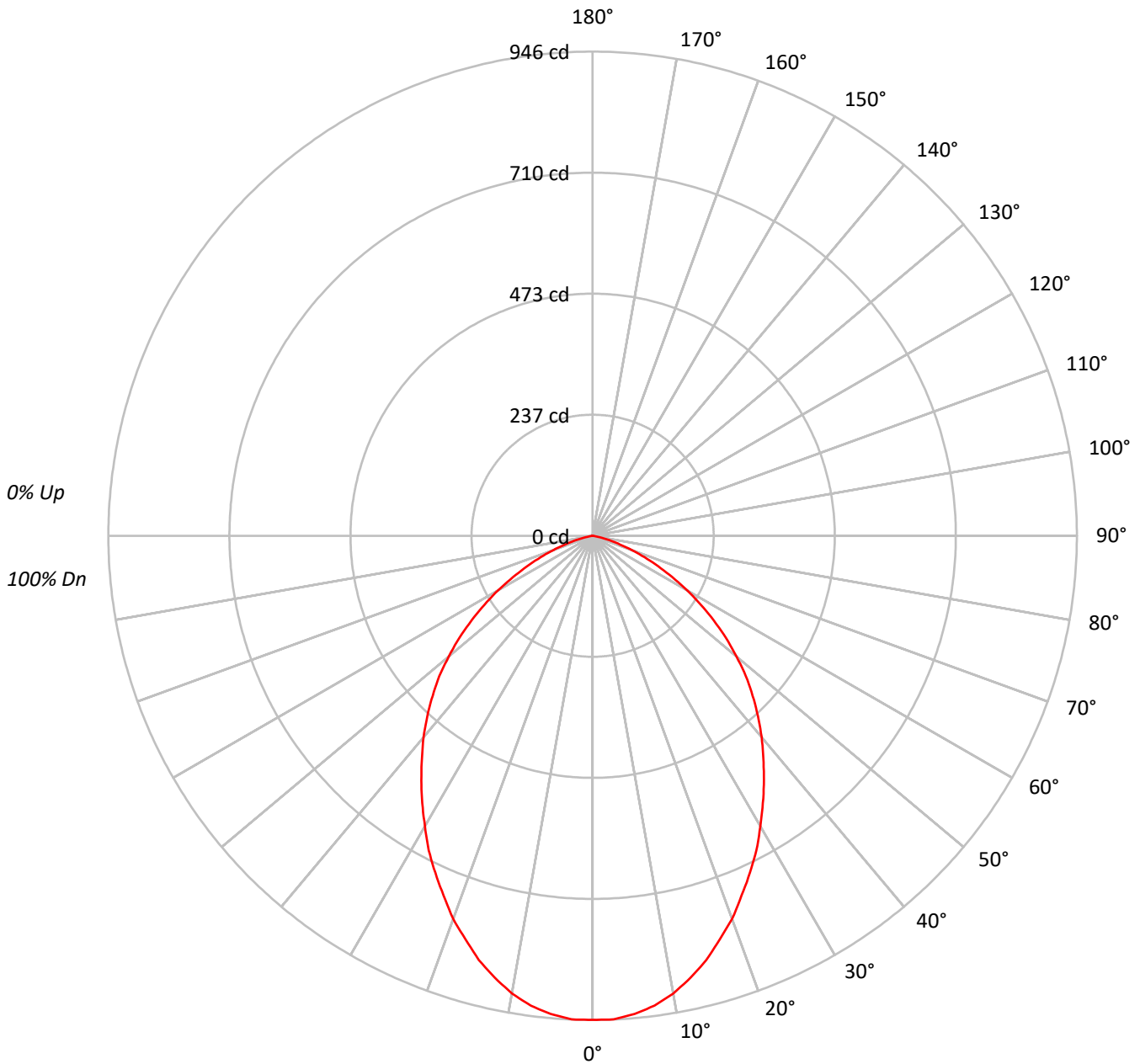
Lumens per Lamp: N/A
Luminaire Lumens: 1808.4 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V):
Input Current (A_{in}): 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: P857286

CATALOG NUMBER: LX4C20D010 EX4C209850 4LBSH

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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
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°	116195
5°	115652
10°	113272
15°	109152
20°	104133
25°	98521
30°	92932
35°	87496
40°	82384
45°	76794
50°	70029
55°	61836
60°	52336
65°	41075
70°	29347
75°	16091
80°	2830
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	4.9
10°-20°	240.8	13.3
20°-30°	334.4	18.5
30°-40°	364.9	20.2
40°-50°	340.4	18.8
50°-60°	258.3	14.3
60°-70°	141.4	7.8
70°-80°	39.0	2.2
80°-90°	0.5	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°	663.8	36.7
0°-40°	1028.7	56.9
0°-60°	1627.5	90.0
0°-90°	1808.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1808.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	946	
5°	938	89
15°	858	241
25°	727	334
35°	583	365
45°	442	340
55°	289	258
65°	141	141
75°	34	39
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	945.8
2.5°	945.8
5°	937.8
7.5°	925.9
10°	908.0
12.5°	884.1
15°	858.2
17.5°	826.4
20°	796.5
22.5°	760.7
25°	726.8
27.5°	693.0
30°	655.1
32.5°	619.2
35°	583.4
37.5°	547.5
40°	513.7
42.5°	477.9
45°	442.0
47.5°	406.2
50°	366.4
52.5°	328.5
55°	288.7
57.5°	250.8
60°	213.0
62.5°	175.2
65°	141.3
67.5°	109.5
70°	81.7
72.5°	55.7
75°	33.9
77.5°	16.0
80°	4.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)