

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: P857273

Luminaire Tested: **LX4C20D010 EX4C209840 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P857273
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 EX4C209840 4LBSH
Description:
Light Source: -
Ballast/Driver: -

Summary

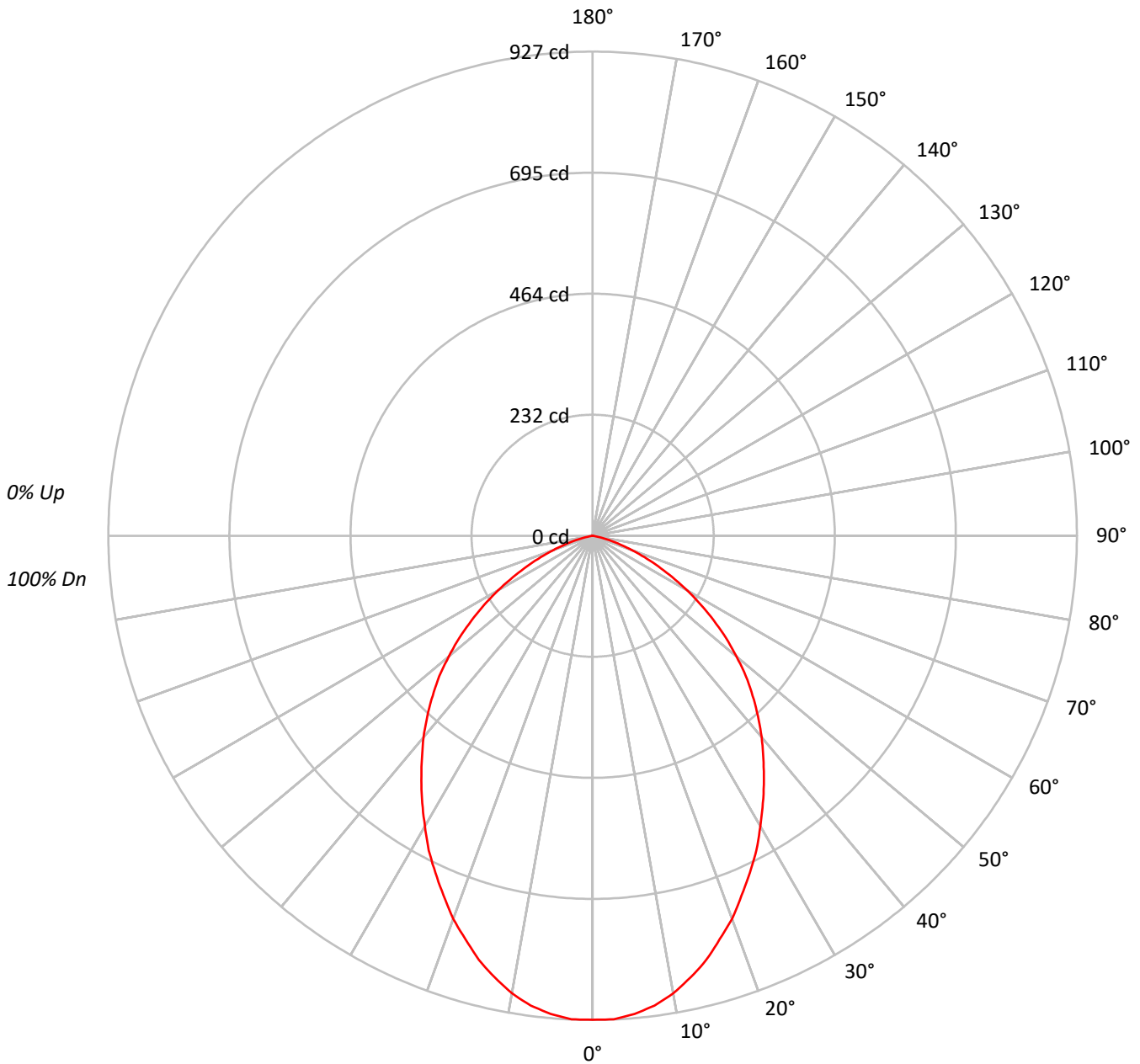
Lumens per Lamp: N/A
Luminaire Lumens: 1771.9 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V):
Input Current (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									
RC	80									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°	113848
5°	113321
10°	110976
15°	106939
20°	102028
25°	96528
30°	91059
35°	85727
40°	80716
45°	75247
50°	68614
55°	60594
60°	51304
65°	40261
70°	28736
75°	15759
80°	2759
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	4.9
10°-20°	235.9	13.3
20°-30°	327.7	18.5
30°-40°	357.5	20.2
40°-50°	333.5	18.8
50°-60°	253.2	14.3
60°-70°	138.6	7.8
70°-80°	38.2	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°	650.4	36.7
0°-40°	1007.9	56.9
0°-60°	1594.6	90.0
0°-90°	1771.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1771.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	927	
5°	919	87
15°	841	236
25°	712	328
35°	572	358
45°	433	334
55°	283	253
65°	138	139
75°	33	38
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	926.7
2.5°	926.7
5°	918.9
7.5°	907.2
10°	889.6
12.5°	866.2
15°	840.8
17.5°	809.7
20°	780.4
22.5°	745.2
25°	712.1
27.5°	679.0
30°	641.9
32.5°	606.7
35°	571.6
37.5°	536.5
40°	503.3
42.5°	468.3
45°	433.1
47.5°	398.0
50°	359.0
52.5°	321.9
55°	282.9
57.5°	245.8
60°	208.8
62.5°	171.7
65°	138.5
67.5°	107.3
70°	80.0
72.5°	54.7
75°	33.2
77.5°	15.6
80°	3.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)