

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: METALUX

Report Number: P412369

Luminaire Tested: **22PD-25-PB1-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-25-PB1-L940
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

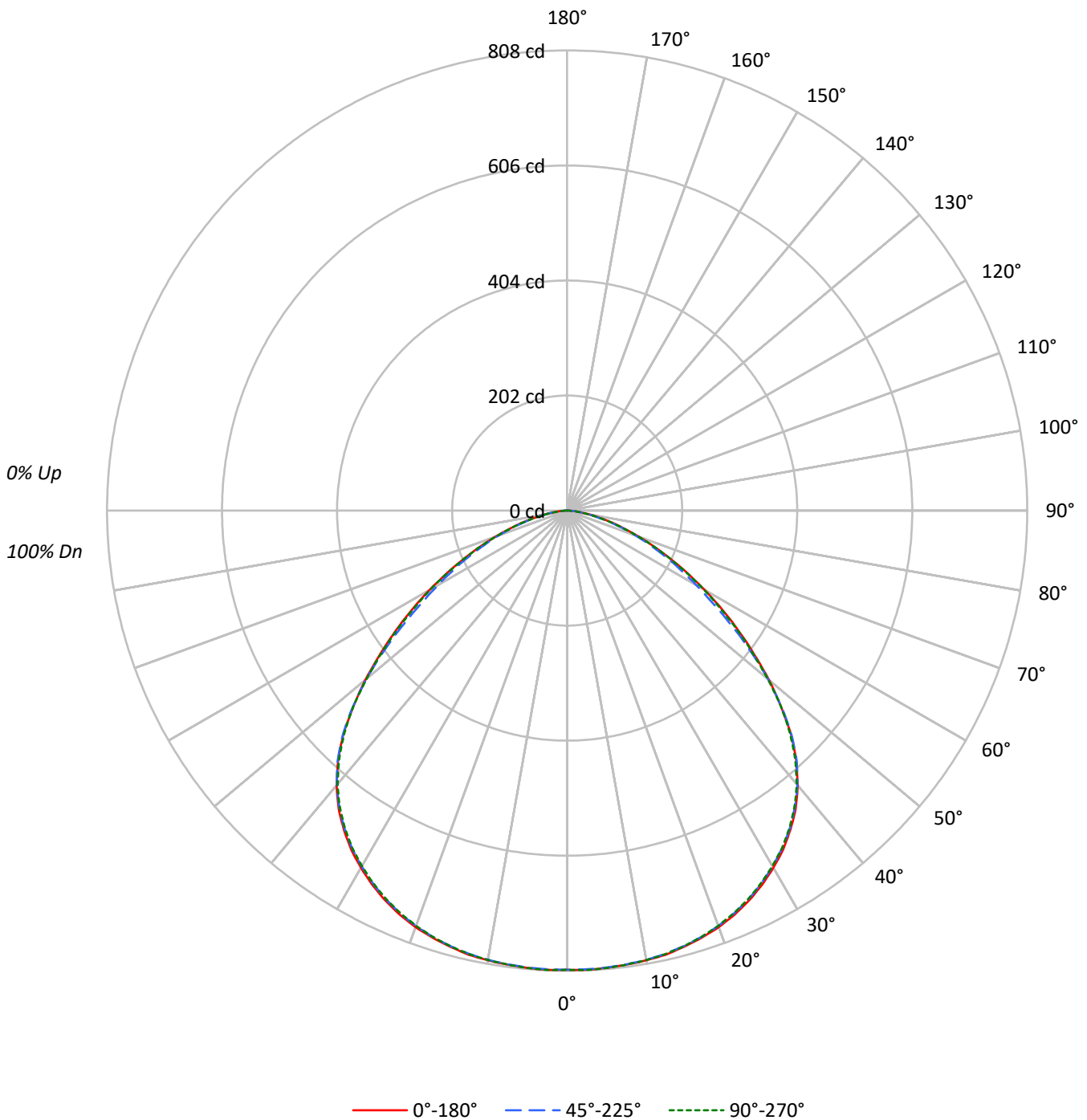
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2117.0 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
Input Voltage (V): NR
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	0
RW	70	50	30	10	70	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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2170	2170	2170
5°	2177	2175	2177
10°	2191	2188	2190
15°	2209	2206	2206
20°	2229	2223	2221
25°	2243	2237	2234
30°	2251	2241	2240
35°	2246	2239	2235
40°	2212	2210	2203
45°	2115	2122	2106
50°	1936	1926	1924
55°	1721	1660	1709
60°	1500	1409	1491
65°	1272	1203	1265
70°	1051	1009	1042
75°	850	795	816
80°	614	595	590
85°	401	401	386



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.7	3.6
10°-20°	223.8	10.6
20°-30°	347.2	16.4
30°-40°	425.8	20.1
40°-50°	425.6	20.1
50°-60°	322.4	15.2
60°-70°	193.4	9.1
70°-80°	85.1	4.0
80°-90°	16.9	0.8
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°	647.7	30.6
0°-40°	1073.5	50.7
0°-60°	1821.6	86.0
0°-90°	2117.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2117.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	806	806	806	806	806	
5°	806	805	805	805	806	77
15°	793	792	792	791	792	224
25°	756	754	753	752	752	348
35°	684	683	682	681	680	427
45°	556	556	558	556	553	425
55°	367	359	354	358	364	329
65°	200	193	189	192	199	200
75°	82	80	76	78	78	87
85°	13	14	13	12	12	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	806.4	806.4	806.4	806.4	806.4
2.5°	807.1	805.9	806.1	806.1	807.6
5°	805.9	804.9	805.1	804.9	806.1
7.5°	804.1	803.1	803.4	803.1	803.9
10°	801.9	800.9	800.9	800.4	801.4
12.5°	798.9	797.6	797.1	796.9	797.6
15°	792.9	792.2	791.7	791.2	791.7
17.5°	786.4	785.2	784.7	783.7	784.7
20°	778.4	776.7	776.2	775.4	775.7
22.5°	768.0	766.5	765.7	764.5	765.0
25°	755.5	754.0	753.3	752.0	752.5
27.5°	741.0	740.0	738.3	737.3	737.5
30°	724.3	723.3	721.3	720.8	720.8
32.5°	705.9	704.6	702.9	702.4	702.1
35°	683.7	683.4	681.7	681.2	680.4
37.5°	659.5	659.0	657.0	656.5	655.8
40°	629.8	629.3	629.1	628.1	627.1
42.5°	595.4	596.2	596.7	594.7	592.7
45°	555.8	556.5	557.5	556.0	553.3
47.5°	509.4	512.4	510.9	511.9	509.2
50°	462.5	462.5	460.0	461.0	459.5
52.5°	413.4	409.4	406.4	408.4	410.4
55°	366.8	358.8	353.8	358.5	364.3
57.5°	322.1	312.7	303.4	310.9	317.9
60°	278.8	267.8	261.8	267.3	277.0
62.5°	237.6	229.6	223.7	227.9	236.1
65°	199.7	192.7	189.0	192.2	198.7
67.5°	165.1	160.3	156.6	159.3	164.3
70°	133.6	132.4	128.2	129.4	132.4
72.5°	105.0	104.7	101.0	102.0	103.7
75°	81.8	80.0	76.5	77.8	78.5
77.5°	57.8	58.6	55.4	56.1	56.1
80°	39.6	40.9	38.4	37.9	38.1
82.5°	25.2	25.2	24.9	24.7	23.9
85°	13.0	13.5	13.0	12.5	12.5
87.5°	5.0	5.0	5.0	4.7	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)