

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: P412368

Luminaire Tested: **22PD-25-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412368
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-L935
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

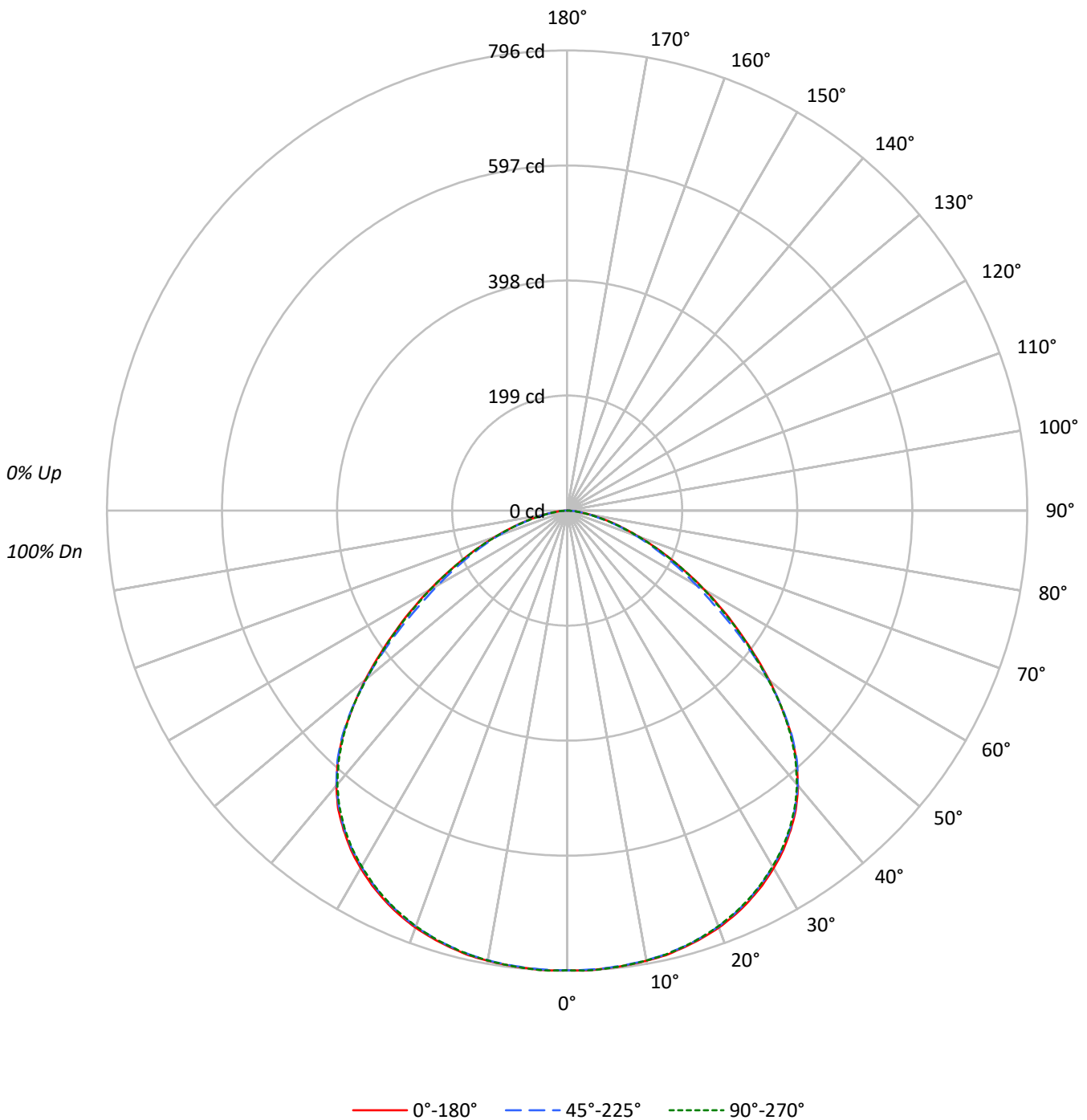
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2088.0 lumens
Efficiency: N/A
Efficacy: 102.4 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°	2140	2140	2140
5°	2147	2145	2148
10°	2161	2158	2160
15°	2179	2175	2175
20°	2199	2192	2191
25°	2212	2206	2204
30°	2220	2211	2209
35°	2215	2209	2205
40°	2182	2180	2173
45°	2086	2093	2077
50°	1910	1899	1897
55°	1697	1637	1686
60°	1480	1390	1470
65°	1254	1187	1248
70°	1037	995	1028
75°	839	785	806
80°	606	587	583
85°	395	395	380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	3.6
10°-20°	220.7	10.6
20°-30°	342.5	16.4
30°-40°	420.0	20.1
40°-50°	419.8	20.1
50°-60°	318.0	15.2
60°-70°	190.7	9.1
70°-80°	84.0	4.0
80°-90°	16.7	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°	638.8	30.6
0°-40°	1058.8	50.7
0°-60°	1796.7	86.0
0°-90°	2088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2088.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	795	795	795	795	795	
5°	795	794	794	794	795	76
15°	782	781	781	780	781	221
25°	745	744	743	742	742	343
35°	674	674	672	672	671	421
45°	548	549	550	548	546	420
55°	362	354	349	354	359	324
65°	197	190	186	190	196	197
75°	81	79	76	77	78	86
85°	13	13	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°	795.3	795.3	795.3	795.3	795.3
2.5°	796.1	794.8	795.1	795.1	796.5
5°	794.8	793.8	794.1	793.8	795.1
7.5°	793.1	792.1	792.4	792.1	792.9
10°	790.9	789.9	789.9	789.4	790.4
12.5°	787.9	786.7	786.2	786.0	786.7
15°	782.0	781.3	780.8	780.3	780.8
17.5°	775.6	774.4	773.9	772.9	773.9
20°	767.8	766.1	765.6	764.8	765.1
22.5°	757.4	756.0	755.2	754.0	754.5
25°	745.1	743.7	742.9	741.7	742.2
27.5°	730.9	729.9	728.2	727.2	727.4
30°	714.4	713.4	711.5	711.0	711.0
32.5°	696.2	695.0	693.3	692.8	692.5
35°	674.3	674.1	672.4	671.9	671.1
37.5°	650.5	650.0	648.0	647.5	646.8
40°	621.2	620.7	620.5	619.5	618.5
42.5°	587.3	588.0	588.5	586.5	584.6
45°	548.2	548.9	549.9	548.4	545.7
47.5°	502.4	505.4	503.9	504.9	502.2
50°	456.2	456.2	453.7	454.7	453.2
52.5°	407.7	403.8	400.9	402.8	404.8
55°	361.8	353.9	349.0	353.6	359.3
57.5°	317.7	308.4	299.3	306.7	313.6
60°	274.9	264.1	258.2	263.6	273.2
62.5°	234.4	226.5	220.6	224.8	232.9
65°	197.0	190.1	186.4	189.6	196.0
67.5°	162.8	158.1	154.4	157.1	162.1
70°	131.8	130.6	126.4	127.6	130.6
72.5°	103.5	103.3	99.6	100.6	102.3
75°	80.7	78.9	75.5	76.7	77.5
77.5°	57.1	57.8	54.6	55.3	55.3
80°	39.1	40.3	37.9	37.4	37.6
82.5°	24.8	24.8	24.6	24.3	23.6
85°	12.8	13.3	12.8	12.3	12.3
87.5°	4.9	4.9	4.9	4.7	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)