

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: P412574

Luminaire Tested: **24PD-75-PB1-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-45)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-75-PB1-L930
Description: 7500 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

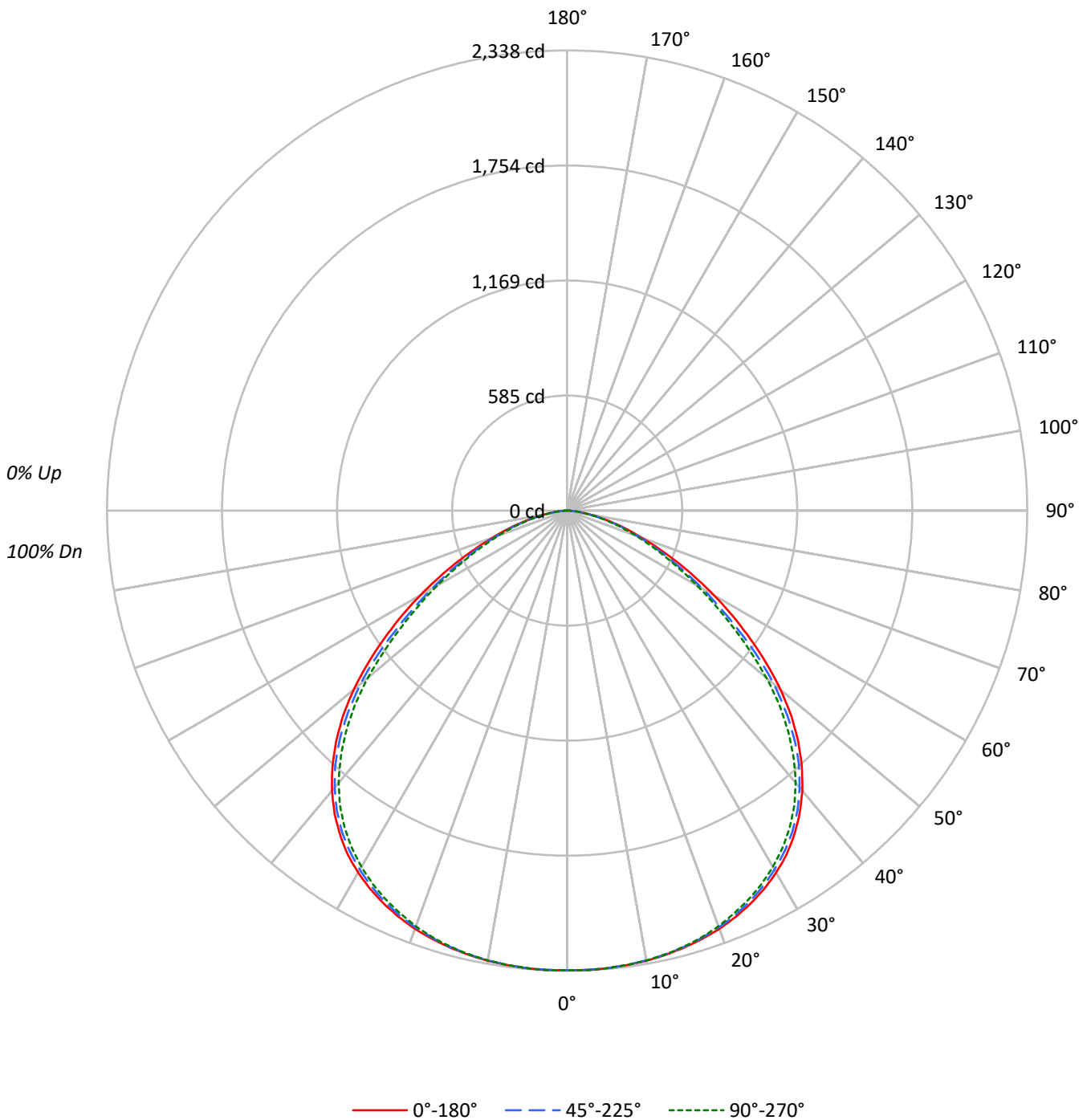
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6213.0 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.32 / 1.41
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 56.3
Input Voltage (V): NR
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

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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	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3142	3142	3142
5°	3152	3152	3152
10°	3173	3170	3171
15°	3202	3197	3195
20°	3238	3227	3218
25°	3272	3255	3237
30°	3300	3273	3248
35°	3304	3275	3234
40°	3265	3227	3173
45°	3159	3102	3022
50°	2963	2871	2766
55°	2662	2504	2401
60°	2318	2133	2052
65°	1951	1805	1726
70°	1590	1509	1448
75°	1274	1229	1177
80°	978	901	877
85°	611	593	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.3	3.6
10°-20°	648.9	10.4
20°-30°	1010.9	16.3
30°-40°	1243.5	20.0
40°-50°	1249.1	20.1
50°-60°	962.7	15.5
60°-70°	571.5	9.2
70°-80°	254.4	4.1
80°-90°	49.7	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°	1882.0	30.3
0°-40°	3125.6	50.3
0°-60°	5337.3	85.9
0°-90°	6213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6213.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2335	2335	2335	2335	2335	
5°	2334	2334	2334	2331	2334	222
15°	2298	2298	2295	2292	2294	650
25°	2204	2203	2193	2183	2180	1016
35°	2011	2008	1994	1977	1969	1256
45°	1660	1656	1630	1603	1588	1274
55°	1135	1113	1068	1035	1024	1015
65°	613	586	567	545	542	612
75°	245	240	236	228	226	265
85°	40	38	38	36	38	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2334.9	2334.9	2334.9	2334.9	2334.9
2.5°	2336.2	2335.5	2335.5	2333.1	2338.0
5°	2333.7	2334.3	2333.7	2331.2	2333.7
7.5°	2328.7	2329.4	2328.1	2325.6	2328.1
10°	2322.5	2322.5	2320.1	2318.8	2320.7
12.5°	2312.0	2312.0	2309.6	2307.7	2309.6
15°	2298.4	2298.4	2295.3	2291.6	2293.5
17.5°	2281.7	2281.7	2276.8	2271.8	2273.0
20°	2261.3	2260.7	2253.9	2247.0	2247.7
22.5°	2235.3	2234.7	2226.0	2218.0	2215.5
25°	2203.7	2203.1	2192.6	2182.7	2180.2
27.5°	2167.2	2164.7	2153.0	2141.8	2139.4
30°	2123.9	2122.0	2106.6	2095.4	2090.5
32.5°	2073.8	2068.8	2054.6	2041.0	2034.2
35°	2011.3	2008.2	1993.9	1977.2	1969.2
37.5°	1940.7	1937.6	1922.2	1903.6	1894.3
40°	1859.0	1856.6	1837.4	1818.2	1806.4
42.5°	1765.0	1763.1	1742.7	1716.1	1703.7
45°	1660.4	1656.0	1630.1	1602.8	1588.0
47.5°	1544.0	1536.6	1505.0	1479.1	1463.0
50°	1415.3	1405.4	1371.4	1338.0	1321.2
52.5°	1276.1	1258.7	1223.5	1185.1	1169.0
55°	1135.0	1113.3	1067.5	1035.3	1023.6
57.5°	997.0	965.4	922.1	899.2	887.4
60°	861.4	826.8	792.7	770.5	762.4
62.5°	732.1	703.0	673.9	651.7	646.7
65°	612.7	586.1	566.9	545.2	542.1
67.5°	501.3	488.9	471.6	453.0	450.5
70°	404.1	399.2	383.7	372.5	368.2
72.5°	322.4	317.5	306.3	298.3	297.0
75°	245.1	240.1	236.4	228.4	226.5
77.5°	174.5	175.1	172.0	167.7	168.9
80°	126.2	118.8	116.3	113.9	113.2
82.5°	77.4	73.0	71.2	70.5	71.8
85°	39.6	37.7	38.4	36.5	38.4
87.5°	13.6	13.6	14.2	13.6	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)