

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: P412917

Luminaire Tested: **24PD-75-PP3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-75-PP3-L935
Description: 7500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

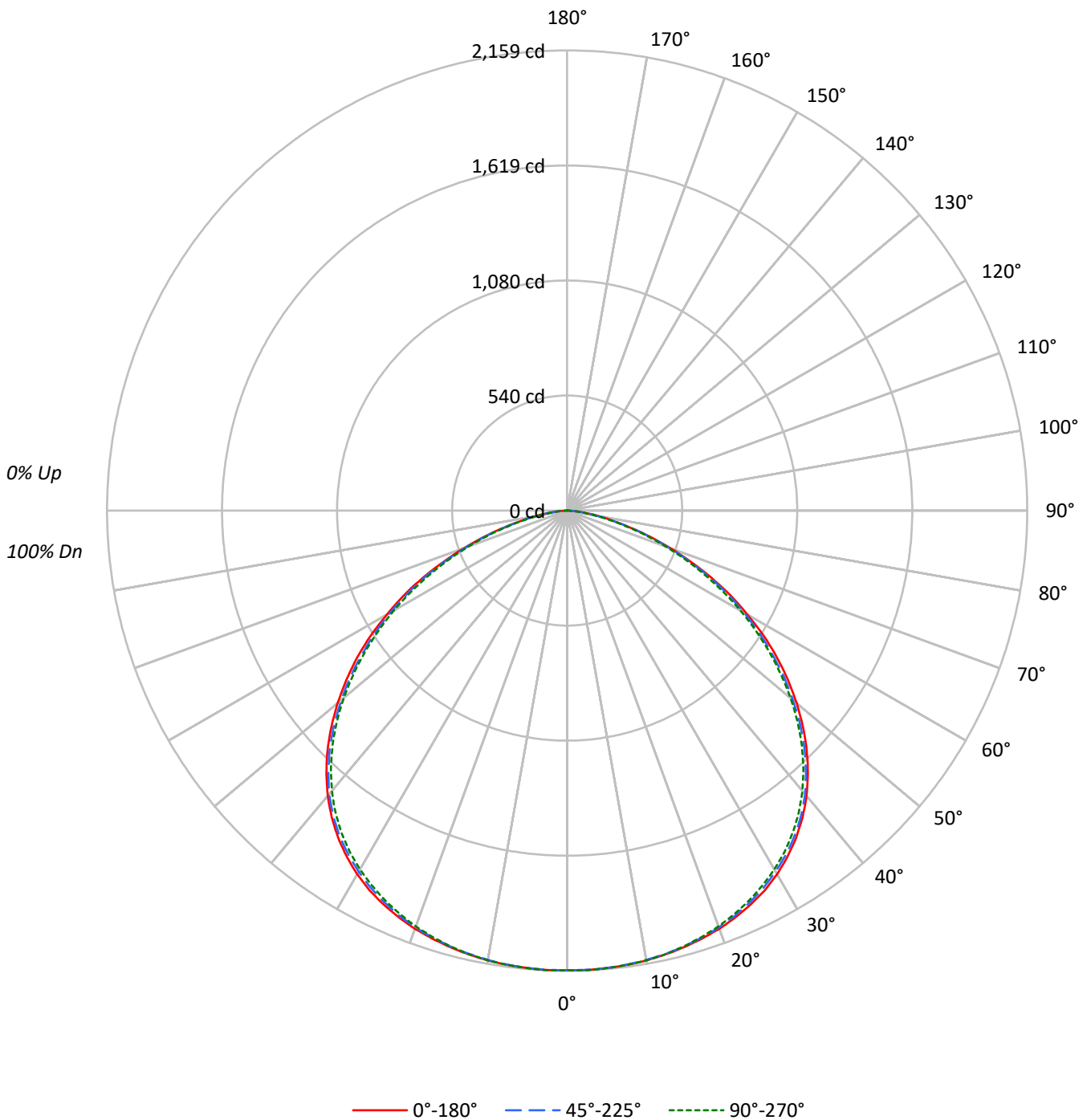
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6276.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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 (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

TEST NUMBER: P412917
CATALOG NUMBER: 24PD-75-PP3-L935

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2902	2902	2902
5°	2910	2909	2911
10°	2928	2925	2927
15°	2954	2949	2948
20°	2990	2980	2972
25°	3027	3011	2997
30°	3061	3039	3020
35°	3077	3059	3031
40°	3069	3050	3016
45°	3025	2995	2962
50°	2942	2895	2865
55°	2820	2753	2717
60°	2628	2582	2530
65°	2382	2334	2266
70°	2033	1996	1932
75°	1588	1572	1497
80°	1172	1123	1059
85°	707	707	658



TEST NUMBER: P412917

CATALOG NUMBER: 24PD-75-PP3-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.2	3.3
10°-20°	598.8	9.5
20°-30°	935.9	14.9
30°-40°	1163.2	18.5
40°-50°	1212.0	19.3
50°-60°	1051.7	16.8
60°-70°	723.1	11.5
70°-80°	326.3	5.2
80°-90°	59.8	1.0
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°	1739.9	27.7
0°-40°	2903.1	46.3
0°-60°	5166.7	82.3
0°-90°	6276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2157	2157	2157	2157	2157	
5°	2154	2155	2154	2152	2155	205
15°	2120	2120	2117	2116	2116	600
25°	2039	2038	2028	2020	2019	941
35°	1873	1873	1862	1851	1845	1171
45°	1590	1590	1574	1562	1557	1224
55°	1202	1195	1174	1160	1158	1071
65°	748	745	733	716	712	738
75°	305	307	302	294	288	333
85°	46	45	46	45	43	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2156.9	2156.9	2156.9	2156.9	2156.9
2.5°	2157.5	2157.5	2156.3	2154.4	2158.8
5°	2154.4	2155.0	2153.7	2151.9	2155.0
7.5°	2150.0	2150.6	2148.7	2146.8	2149.4
10°	2143.1	2142.5	2140.6	2139.3	2142.5
12.5°	2133.0	2132.4	2130.5	2129.3	2131.8
15°	2120.5	2120.5	2117.4	2115.5	2116.1
17.5°	2105.4	2105.4	2101.1	2096.7	2097.9
20°	2087.9	2087.3	2081.0	2076.6	2076.0
22.5°	2065.9	2065.9	2057.2	2051.5	2049.6
25°	2039.0	2038.3	2028.3	2020.2	2018.9
27.5°	2008.2	2007.0	1995.1	1986.9	1983.8
30°	1970.0	1968.7	1956.2	1947.4	1943.6
32.5°	1924.8	1926.7	1912.3	1902.2	1898.5
35°	1873.4	1873.4	1862.1	1851.4	1845.2
37.5°	1814.4	1814.4	1803.8	1793.1	1785.6
40°	1747.3	1748.0	1736.7	1723.5	1717.2
42.5°	1672.1	1673.3	1658.3	1647.6	1640.7
45°	1589.9	1590.5	1574.2	1562.3	1556.7
47.5°	1500.8	1499.6	1481.4	1471.4	1465.7
50°	1405.5	1403.0	1382.9	1373.5	1368.5
52.5°	1305.8	1300.8	1283.2	1269.4	1265.0
55°	1202.3	1195.4	1173.5	1159.7	1158.4
57.5°	1094.4	1086.3	1068.1	1054.9	1049.9
60°	976.5	974.6	959.6	943.9	940.1
62.5°	866.1	860.5	847.3	828.5	826.6
65°	748.2	745.1	733.2	715.6	711.9
67.5°	626.6	629.7	619.7	604.0	599.0
70°	516.8	518.7	507.4	493.0	491.1
72.5°	406.4	409.5	400.1	390.7	388.9
75°	305.4	306.7	302.3	294.1	287.9
77.5°	217.0	221.4	216.4	210.7	205.7
80°	151.2	144.3	144.9	142.4	136.7
82.5°	90.9	87.8	87.2	84.7	82.2
85°	45.8	45.2	45.8	45.2	42.6
87.5°	15.1	16.3	16.9	16.9	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)