

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: P413260

Luminaire Tested: **24PD-75-PC3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-75-PC3-L940
Description: 7500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

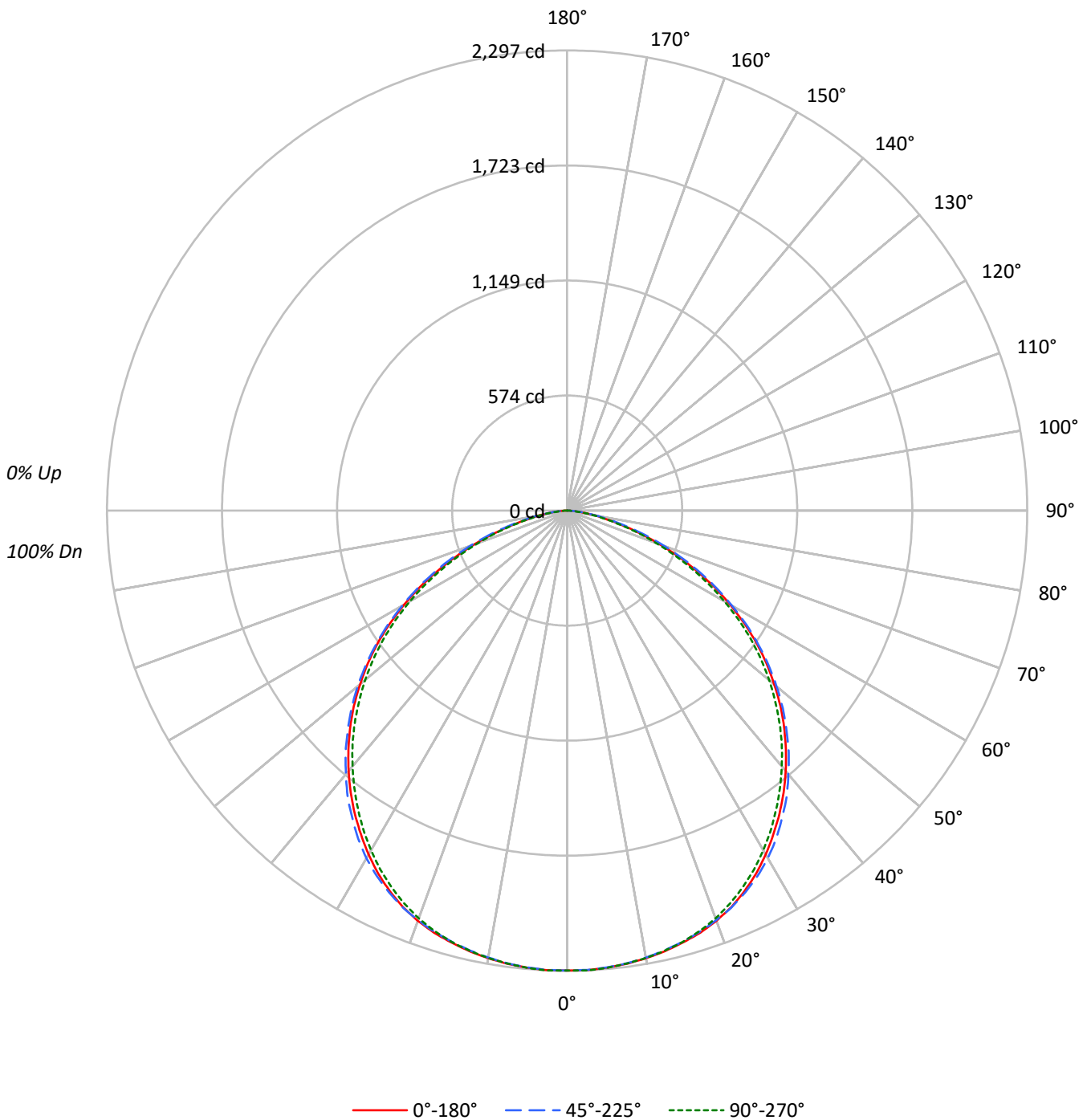
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6276.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
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

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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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3089	3089	3089
5°	3093	3092	3094
10°	3100	3095	3098
15°	3110	3103	3104
20°	3120	3116	3102
25°	3111	3123	3079
30°	3080	3113	3042
35°	3035	3074	2989
40°	2982	3017	2928
45°	2914	2946	2854
50°	2824	2856	2755
55°	2708	2732	2628
60°	2528	2557	2441
65°	2278	2335	2189
70°	1934	2019	1856
75°	1498	1607	1429
80°	1113	1163	1010
85°	687	736	638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.8	3.5
10°-20°	629.7	10.0
20°-30°	964.3	15.4
30°-40°	1160.1	18.5
40°-50°	1182.9	18.8
50°-60°	1025.5	16.3
60°-70°	711.0	11.3
70°-80°	324.7	5.2
80°-90°	60.0	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°	1811.8	28.9
0°-40°	2971.8	47.4
0°-60°	5180.3	82.5
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°	2296	2296	2296	2296	2296	
5°	2290	2290	2289	2288	2291	218
15°	2232	2232	2228	2226	2229	631
25°	2096	2102	2103	2085	2074	965
35°	1848	1867	1871	1847	1820	1155
45°	1532	1551	1548	1527	1500	1180
55°	1154	1161	1165	1136	1120	1029
65°	716	731	733	708	688	707
75°	288	304	309	299	275	315
85°	44	46	48	45	41	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2296.1	2296.1	2296.1	2296.1	2296.1
2.5°	2296.1	2296.1	2294.8	2293.5	2297.4
5°	2290.4	2290.4	2289.1	2287.8	2291.0
7.5°	2281.5	2280.8	2279.5	2278.3	2280.2
10°	2268.7	2268.1	2265.6	2264.9	2267.5
12.5°	2252.8	2252.2	2248.4	2248.4	2250.3
15°	2232.5	2231.8	2228.0	2226.1	2228.7
17.5°	2209.6	2208.9	2204.5	2199.4	2200.7
20°	2179.1	2179.1	2175.9	2168.2	2166.3
22.5°	2142.2	2144.1	2144.1	2129.4	2123.7
25°	2095.7	2101.5	2103.4	2084.9	2074.1
27.5°	2042.9	2051.8	2056.9	2033.4	2019.4
30°	1982.5	1997.1	2003.5	1978.1	1957.7
32.5°	1916.4	1934.8	1942.4	1917.6	1891.6
35°	1847.7	1867.4	1871.2	1847.0	1819.7
37.5°	1774.5	1794.9	1800.0	1778.3	1744.6
40°	1697.6	1717.9	1717.9	1700.1	1667.0
42.5°	1616.2	1637.8	1637.2	1615.5	1585.6
45°	1531.6	1550.6	1548.1	1527.1	1499.8
47.5°	1444.4	1456.5	1459.7	1434.9	1408.8
50°	1349.0	1361.1	1364.3	1336.3	1316.0
52.5°	1254.9	1262.5	1267.0	1234.5	1219.9
55°	1154.4	1161.4	1164.6	1136.0	1120.1
57.5°	1048.2	1057.1	1060.9	1032.3	1014.5
60°	939.4	949.0	950.2	923.5	907.0
62.5°	828.8	841.5	844.0	817.3	797.6
65°	715.5	730.8	733.3	708.5	687.6
67.5°	602.3	622.7	623.3	603.0	578.2
70°	491.7	513.9	513.3	496.1	471.9
72.5°	386.1	406.4	410.9	395.0	371.4
75°	288.1	304.0	309.1	298.9	274.8
77.5°	204.8	219.4	223.9	214.3	196.5
80°	143.7	144.4	150.1	142.5	130.4
82.5°	89.0	87.8	89.7	86.5	79.5
85°	44.5	45.8	47.7	45.2	41.3
87.5°	15.3	15.9	17.2	17.2	15.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)