

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: P413258

Luminaire Tested: **24PD-75-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413258
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-L930
Description: 7500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

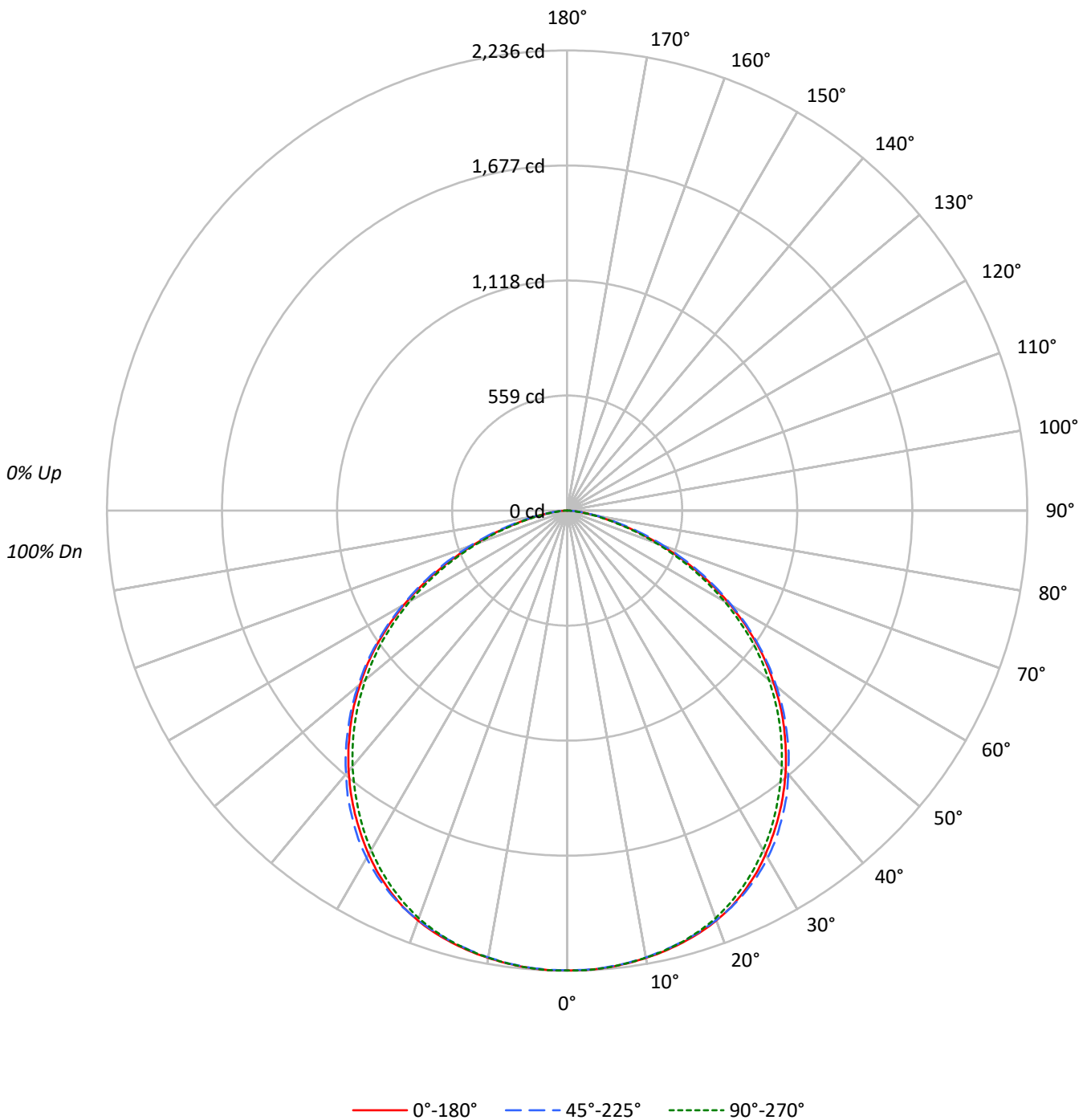
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6107.0 lumens
Efficiency: N/A
Efficacy: 108.5 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°	3006	3006	3006
5°	3010	3008	3011
10°	3016	3012	3014
15°	3026	3020	3021
20°	3036	3032	3018
25°	3028	3038	2996
30°	2997	3029	2960
35°	2953	2991	2908
40°	2901	2936	2849
45°	2836	2866	2777
50°	2748	2779	2680
55°	2635	2658	2557
60°	2460	2488	2375
65°	2217	2272	2130
70°	1882	1965	1806
75°	1458	1564	1390
80°	1084	1132	983
85°	668	716	621



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.9	3.5
10°-20°	612.7	10.0
20°-30°	938.3	15.4
30°-40°	1128.8	18.5
40°-50°	1151.1	18.8
50°-60°	997.9	16.3
60°-70°	691.8	11.3
70°-80°	316.0	5.2
80°-90°	58.4	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°	1763.0	28.9
0°-40°	2891.8	47.4
0°-60°	5040.8	82.5
0°-90°	6107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6107.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2234	2234	2234	2234	2234	
5°	2229	2229	2227	2226	2229	212
15°	2172	2172	2168	2166	2169	614
25°	2039	2045	2047	2029	2018	939
35°	1798	1817	1821	1797	1771	1124
45°	1490	1509	1506	1486	1459	1149
55°	1123	1130	1133	1105	1090	1001
65°	696	711	714	690	669	688
75°	280	296	301	291	267	307
85°	43	45	46	44	40	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2234.3	2234.3	2234.3	2234.3	2234.3
2.5°	2234.3	2234.3	2233.0	2231.8	2235.5
5°	2228.7	2228.7	2227.4	2226.2	2229.3
7.5°	2220.0	2219.4	2218.2	2216.9	2218.8
10°	2207.6	2207.0	2204.5	2203.9	2206.4
12.5°	2192.2	2191.5	2187.8	2187.8	2189.7
15°	2172.4	2171.7	2168.0	2166.2	2168.6
17.5°	2150.1	2149.5	2145.1	2140.2	2141.4
20°	2120.4	2120.4	2117.3	2109.9	2108.0
22.5°	2084.5	2086.3	2086.3	2072.1	2066.5
25°	2039.3	2044.9	2046.7	2028.8	2018.3
27.5°	1987.9	1996.6	2001.5	1978.6	1965.0
30°	1929.1	1943.4	1949.6	1924.8	1905.0
32.5°	1864.8	1882.7	1890.1	1866.0	1840.6
35°	1797.9	1817.1	1820.8	1797.3	1770.7
37.5°	1726.7	1746.6	1751.5	1730.5	1697.7
40°	1651.9	1671.7	1671.7	1654.3	1622.2
42.5°	1572.6	1593.7	1593.1	1572.0	1542.9
45°	1490.3	1508.9	1506.4	1486.0	1459.4
47.5°	1405.5	1417.3	1420.4	1396.3	1370.9
50°	1312.7	1324.5	1327.6	1300.3	1280.5
52.5°	1221.1	1228.5	1232.9	1201.3	1187.1
55°	1123.3	1130.1	1133.2	1105.4	1089.9
57.5°	1020.0	1028.6	1032.3	1004.5	987.2
60°	914.1	923.4	924.6	898.7	882.6
62.5°	806.4	818.8	821.3	795.3	776.1
65°	696.3	711.1	713.6	689.5	669.0
67.5°	586.1	605.9	606.5	586.7	562.6
70°	478.4	500.1	499.5	482.7	459.2
72.5°	375.7	395.5	399.8	384.3	361.4
75°	280.4	295.8	300.8	290.9	267.4
77.5°	199.3	213.5	217.9	208.6	191.2
80°	139.9	140.5	146.1	138.6	126.9
82.5°	86.6	85.4	87.3	84.2	77.4
85°	43.3	44.6	46.4	43.9	40.2
87.5°	14.9	15.5	16.7	16.7	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)