

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: P412901

Luminaire Tested: **24PD-65-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412901
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-65-PP3-L950
Description: 6500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

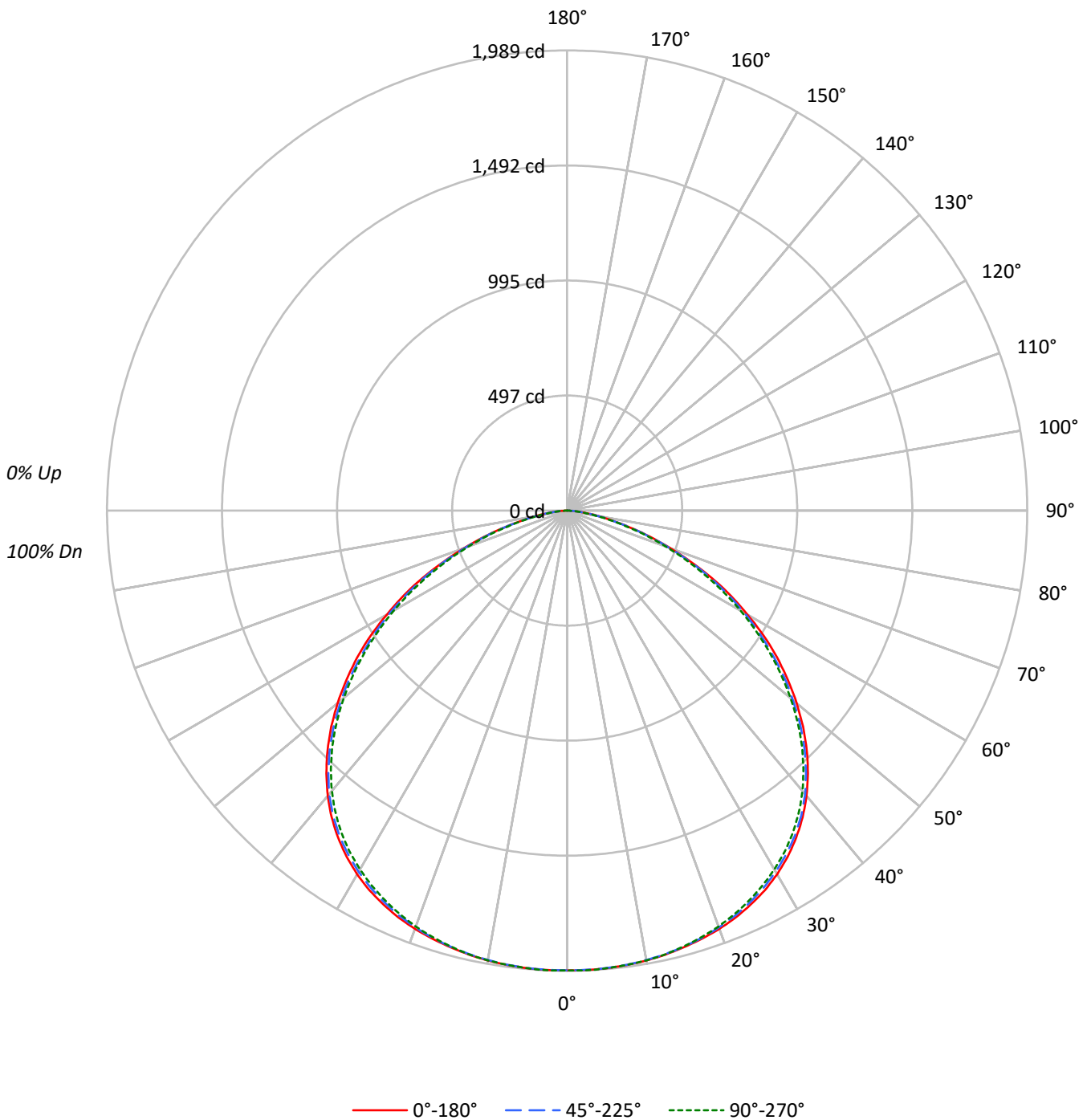
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5783.0 lumens
Efficiency: N/A
Efficacy: 116.4 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): 49.7
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	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°	2674	2674	2674
5°	2681	2680	2682
10°	2698	2695	2697
15°	2722	2718	2716
20°	2755	2746	2739
25°	2789	2775	2762
30°	2820	2800	2783
35°	2835	2818	2793
40°	2828	2811	2779
45°	2788	2760	2729
50°	2711	2667	2640
55°	2599	2537	2504
60°	2421	2379	2331
65°	2195	2151	2088
70°	1873	1839	1780
75°	1463	1448	1379
80°	1079	1034	976
85°	651	651	607



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.1	3.3
10°-20°	551.8	9.5
20°-30°	862.4	14.9
30°-40°	1071.8	18.5
40°-50°	1116.7	19.3
50°-60°	969.0	16.8
60°-70°	666.3	11.5
70°-80°	300.7	5.2
80°-90°	55.1	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°	1603.3	27.7
0°-40°	2675.1	46.3
0°-60°	4760.9	82.3
0°-90°	5783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5783.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	1985	1986	1985	1983	1986	189
15°	1954	1954	1951	1949	1950	553
25°	1879	1878	1869	1862	1860	867
35°	1726	1726	1716	1706	1700	1079
45°	1465	1466	1451	1440	1434	1128
55°	1108	1102	1081	1069	1067	987
65°	690	687	676	659	656	680
75°	281	283	279	271	265	306
85°	42	42	42	42	39	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1987.4	1987.4	1987.4	1987.4	1987.4
2.5°	1988.0	1988.0	1986.9	1985.1	1989.2
5°	1985.1	1985.7	1984.6	1982.8	1985.7
7.5°	1981.1	1981.7	1979.9	1978.2	1980.5
10°	1974.7	1974.2	1972.4	1971.3	1974.2
12.5°	1965.5	1964.9	1963.2	1962.0	1964.3
15°	1953.9	1953.9	1951.0	1949.3	1949.9
17.5°	1940.1	1940.1	1936.0	1932.0	1933.1
20°	1923.9	1923.3	1917.5	1913.5	1912.9
22.5°	1903.7	1903.7	1895.6	1890.4	1888.6
25°	1878.8	1878.2	1869.0	1861.5	1860.3
27.5°	1850.5	1849.3	1838.3	1830.8	1827.9
30°	1815.2	1814.1	1802.5	1794.4	1791.0
32.5°	1773.6	1775.4	1762.1	1752.8	1749.3
35°	1726.2	1726.2	1715.8	1706.0	1700.2
37.5°	1671.9	1671.9	1662.1	1652.3	1645.3
40°	1610.1	1610.6	1600.2	1588.1	1582.3
42.5°	1540.7	1541.9	1528.0	1518.2	1511.8
45°	1465.0	1465.6	1450.6	1439.6	1434.4
47.5°	1382.9	1381.8	1365.0	1355.8	1350.6
50°	1295.1	1292.8	1274.3	1265.6	1261.0
52.5°	1203.2	1198.6	1182.4	1169.7	1165.7
55°	1107.9	1101.5	1081.3	1068.6	1067.4
57.5°	1008.5	1000.9	984.2	972.1	967.4
60°	899.8	898.1	884.2	869.8	866.3
62.5°	798.1	792.9	780.8	763.4	761.7
65°	689.5	686.6	675.6	659.4	655.9
67.5°	577.3	580.2	571.0	556.5	551.9
70°	476.2	477.9	467.5	454.2	452.5
72.5°	374.5	377.4	368.7	360.0	358.3
75°	281.4	282.6	278.6	271.0	265.3
77.5°	200.0	204.0	199.4	194.2	189.6
80°	139.3	132.9	133.5	131.2	126.0
82.5°	83.8	80.9	80.3	78.0	75.7
85°	42.2	41.6	42.2	41.6	39.3
87.5°	13.9	15.0	15.6	15.6	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)