

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: P412460

Luminaire Tested: **22PD-75-PB1-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-75-PB1-L950
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

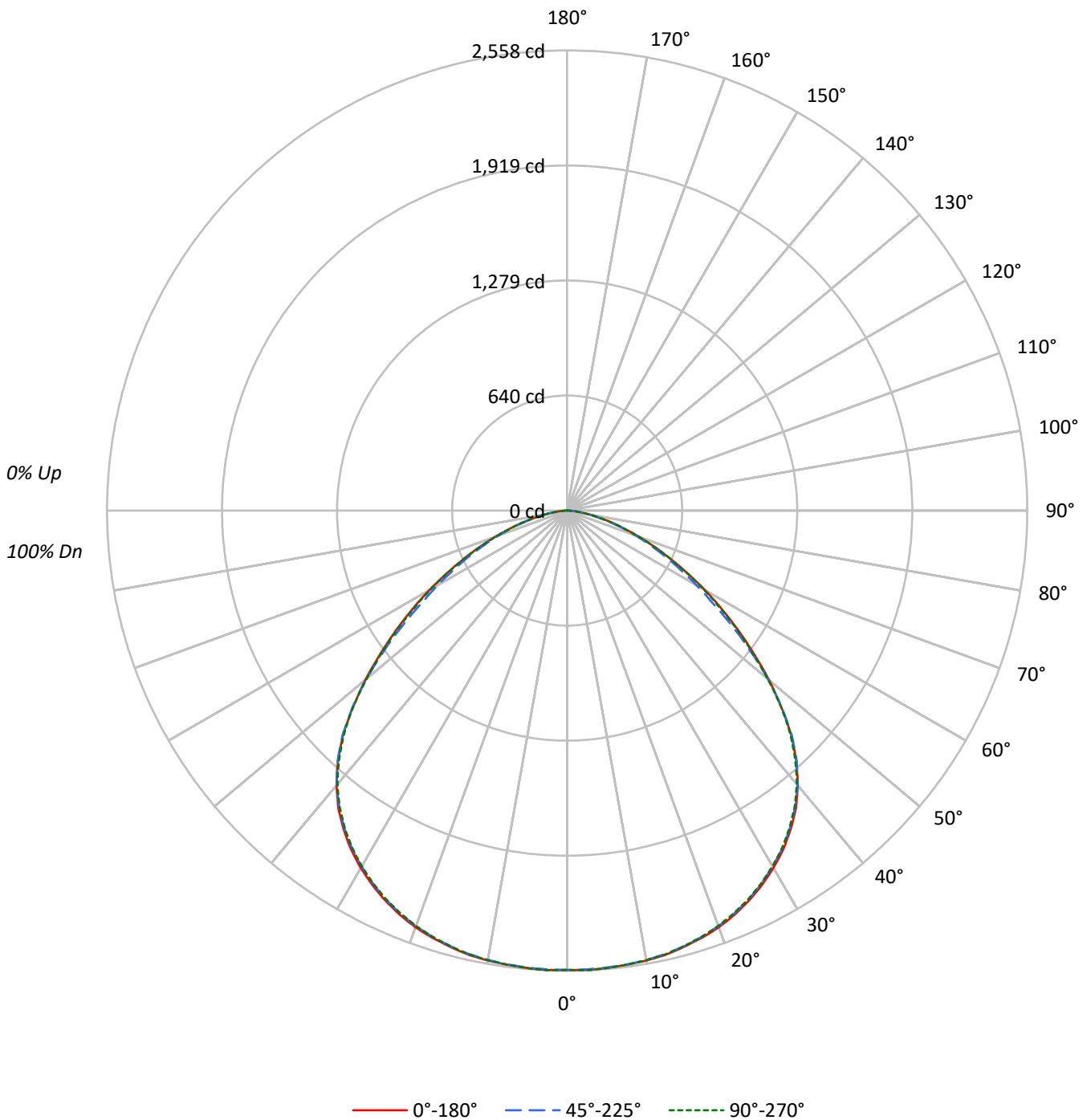
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6704.0 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 67.5
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	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					100			
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86					86			
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73					73			
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63					63			
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54					54			
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47					47			
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42					42			
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37					37			
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33					33			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30					30			
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6871	6871	6871
5°	6894	6887	6896
10°	6939	6930	6935
15°	6995	6984	6984
20°	7059	7039	7034
25°	7104	7083	7076
30°	7127	7098	7093
35°	7113	7091	7079
40°	7006	6998	6976
45°	6698	6719	6668
50°	6132	6099	6092
55°	5449	5256	5412
60°	4751	4462	4721
65°	4027	3811	4007
70°	3330	3194	3299
75°	2693	2520	2586
80°	1945	1884	1872
85°	1269	1269	1220



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	3.6
10°-20°	708.6	10.6
20°-30°	1099.6	16.4
30°-40°	1348.4	20.1
40°-50°	1347.9	20.1
50°-60°	1021.0	15.2
60°-70°	612.4	9.1
70°-80°	269.6	4.0
80°-90°	53.5	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°	2051.2	30.6
0°-40°	3399.6	50.7
0°-60°	5768.5	86.0
0°-90°	6704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6704.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2554	2554	2554	2554	2554	
5°	2552	2549	2550	2549	2553	243
15°	2511	2508	2507	2505	2507	710
25°	2392	2388	2385	2381	2383	1103
35°	2165	2164	2159	2157	2155	1352
45°	1760	1762	1766	1761	1752	1347
55°	1162	1136	1120	1135	1154	1041
65°	632	610	598	609	629	633
75°	259	254	242	246	249	276
85°	41	43	41	40	40	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2553.5	2553.5	2553.5	2553.5	2553.5
2.5°	2555.9	2552.0	2552.8	2552.8	2557.5
5°	2552.0	2548.8	2549.6	2548.8	2552.8
7.5°	2546.4	2543.3	2544.1	2543.3	2545.7
10°	2539.3	2536.2	2536.2	2534.6	2537.8
12.5°	2529.9	2525.9	2524.3	2523.5	2525.9
15°	2510.9	2508.5	2507.0	2505.4	2507.0
17.5°	2490.4	2486.4	2484.9	2481.7	2484.9
20°	2465.1	2459.6	2458.0	2455.6	2456.4
22.5°	2431.9	2427.2	2424.8	2420.9	2422.5
25°	2392.5	2387.7	2385.4	2381.4	2383.0
27.5°	2346.7	2343.5	2338.0	2334.8	2335.6
30°	2293.8	2290.6	2284.3	2282.7	2282.7
32.5°	2235.3	2231.4	2225.9	2224.3	2223.5
35°	2165.1	2164.3	2158.7	2157.2	2154.8
37.5°	2088.5	2086.9	2080.6	2079.0	2076.6
40°	1994.5	1992.9	1992.1	1989.0	1985.8
42.5°	1885.6	1887.9	1889.5	1883.2	1876.9
45°	1760.0	1762.4	1765.5	1760.8	1752.1
47.5°	1613.1	1622.6	1617.9	1621.0	1612.4
50°	1464.7	1464.7	1456.8	1460.0	1455.2
52.5°	1309.1	1296.5	1287.0	1293.4	1299.7
55°	1161.5	1136.2	1120.4	1135.4	1153.6
57.5°	1020.2	990.2	960.9	984.6	1006.7
60°	882.8	848.0	829.1	846.4	877.2
62.5°	752.5	727.2	708.3	721.7	747.7
65°	632.5	610.4	598.5	608.8	629.3
67.5°	522.7	507.7	495.9	504.6	520.3
70°	423.2	419.3	405.9	409.8	419.3
72.5°	332.4	331.6	319.8	322.9	328.5
75°	259.0	253.5	242.4	246.4	248.7
77.5°	183.2	185.6	175.3	177.7	177.7
80°	125.5	129.5	121.6	120.0	120.8
82.5°	79.7	79.7	79.0	78.2	75.8
85°	41.1	42.6	41.1	39.5	39.5
87.5°	15.8	15.8	15.8	15.0	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)