

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: P413138

Luminaire Tested: **22PD-75-PC3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-75-PC3-L840
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

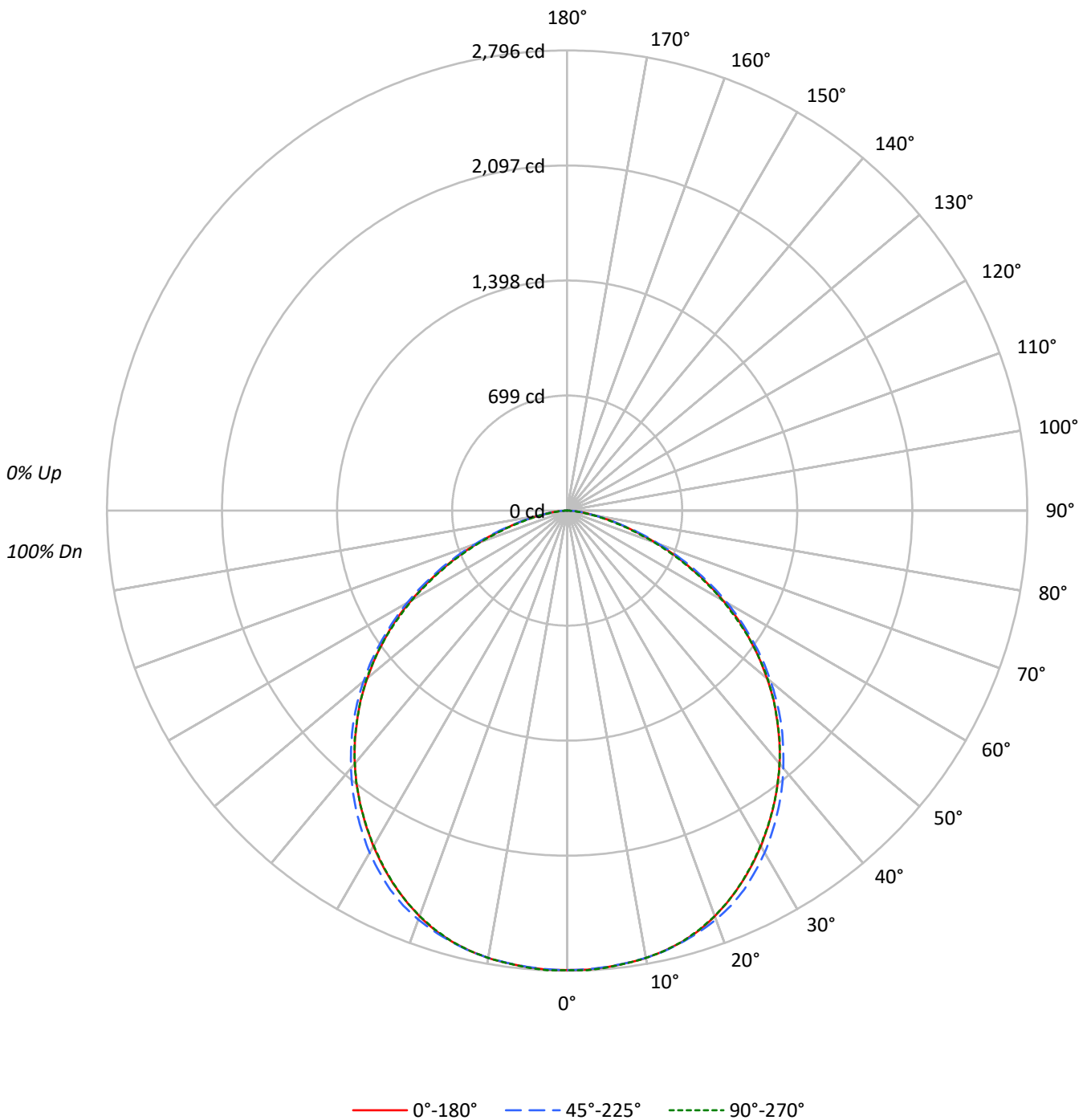
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7501.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	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	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7514	7514	7514
5°	7523	7518	7528
10°	7542	7540	7542
15°	7551	7561	7549
20°	7513	7574	7507
25°	7426	7547	7420
30°	7315	7459	7305
35°	7189	7332	7189
40°	7054	7178	7054
45°	6868	7003	6878
50°	6633	6763	6659
55°	6325	6450	6325
60°	5898	6046	5860
65°	5293	5480	5225
70°	4528	4688	4395
75°	3592	3693	3407
80°	2574	2670	2450
85°	1701	1754	1590



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.9	3.5
10°-20°	765.2	10.2
20°-30°	1160.9	15.5
30°-40°	1386.4	18.5
40°-50°	1410.0	18.8
50°-60°	1219.6	16.3
60°-70°	839.2	11.2
70°-80°	380.9	5.1
80°-90°	73.7	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°	2191.1	29.2
0°-40°	3577.5	47.7
0°-60°	6207.2	82.8
0°-90°	7501.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7501.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2792	2792	2792	2792	2792	
5°	2785	2782	2783	2783	2787	265
15°	2710	2712	2714	2710	2710	764
25°	2501	2523	2542	2519	2499	1152
35°	2188	2227	2232	2224	2188	1369
45°	1805	1838	1840	1838	1807	1392
55°	1348	1371	1375	1372	1348	1205
65°	831	854	861	854	821	825
75°	346	359	355	352	328	372
85°	55	59	57	55	52	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2792.2	2792.2	2792.2	2792.2	2792.2
2.5°	2792.2	2788.6	2789.5	2790.4	2795.7
5°	2785.1	2782.4	2783.3	2783.3	2786.8
7.5°	2773.5	2772.6	2772.6	2771.7	2774.4
10°	2760.2	2758.4	2759.3	2758.4	2760.2
12.5°	2739.8	2739.8	2740.7	2738.0	2739.8
15°	2710.5	2712.2	2714.0	2709.6	2709.6
17.5°	2673.2	2677.6	2682.0	2674.0	2669.6
20°	2623.4	2634.1	2644.7	2632.3	2621.6
22.5°	2565.7	2583.5	2599.4	2579.9	2565.7
25°	2500.9	2523.1	2541.7	2518.6	2499.1
27.5°	2430.7	2455.6	2473.3	2453.8	2427.2
30°	2354.3	2384.5	2400.5	2381.9	2350.8
32.5°	2272.6	2308.2	2317.9	2306.4	2270.9
35°	2188.3	2227.3	2231.8	2223.8	2188.3
37.5°	2100.3	2137.6	2141.2	2136.7	2100.3
40°	2008.0	2042.6	2043.5	2043.5	2008.0
42.5°	1909.4	1943.1	1943.1	1942.3	1912.1
45°	1804.6	1837.5	1840.1	1838.4	1807.3
47.5°	1700.7	1725.6	1730.0	1726.5	1698.9
50°	1584.4	1610.1	1615.4	1611.9	1590.6
52.5°	1468.9	1492.9	1498.2	1495.5	1471.6
55°	1348.1	1371.2	1374.8	1372.1	1348.1
57.5°	1231.8	1246.9	1250.4	1245.1	1214.9
60°	1095.9	1117.2	1123.4	1117.2	1088.8
62.5°	964.5	987.6	992.9	984.0	953.8
65°	831.3	854.3	860.6	853.5	820.6
67.5°	705.1	722.0	727.3	719.4	689.2
70°	575.5	596.8	595.9	585.3	558.6
72.5°	447.6	476.9	471.6	465.4	436.1
75°	345.5	358.8	355.2	351.7	327.7
77.5°	246.9	262.9	254.0	254.9	234.5
80°	166.1	181.2	172.3	168.7	158.1
82.5°	105.7	111.9	110.1	108.3	98.6
85°	55.1	58.6	56.8	55.1	51.5
87.5°	21.3	23.1	21.3	21.3	19.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)