

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: P413144

Luminaire Tested: **22PD-75-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413144
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-L950
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

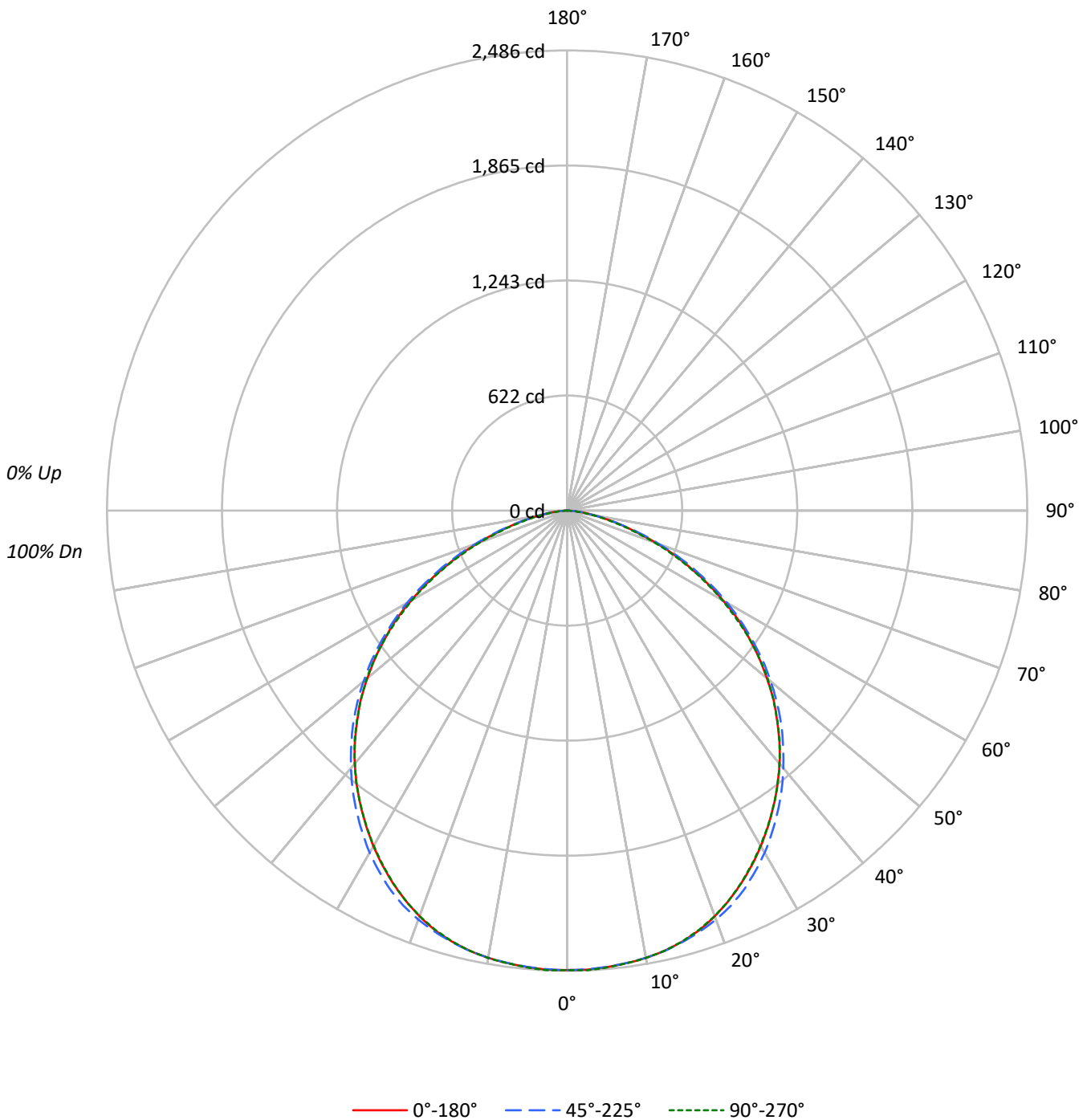
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6669.0 lumens
Efficiency: N/A
Efficacy: 98.8 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°	6680	6680	6680
5°	6689	6685	6693
10°	6706	6703	6706
15°	6713	6722	6711
20°	6679	6734	6675
25°	6602	6710	6597
30°	6504	6632	6494
35°	6391	6518	6391
40°	6271	6382	6271
45°	6106	6226	6115
50°	5897	6013	5920
55°	5623	5735	5623
60°	5244	5375	5210
65°	4706	4872	4646
70°	4026	4168	3907
75°	3193	3283	3030
80°	2289	2374	2177
85°	1513	1559	1414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.5	3.5
10°-20°	680.3	10.2
20°-30°	1032.2	15.5
30°-40°	1232.7	18.5
40°-50°	1253.6	18.8
50°-60°	1084.3	16.3
60°-70°	746.2	11.2
70°-80°	338.6	5.1
80°-90°	65.6	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°	1948.0	29.2
0°-40°	3180.7	47.7
0°-60°	5518.7	82.8
0°-90°	6669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6669.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2482	2482	2482	2482	2482	
5°	2476	2474	2475	2475	2478	236
15°	2410	2411	2413	2409	2409	680
25°	2224	2243	2260	2239	2222	1024
35°	1946	1980	1984	1977	1946	1217
45°	1604	1634	1636	1634	1607	1237
55°	1199	1219	1222	1220	1199	1071
65°	739	760	765	759	730	733
75°	307	319	316	313	291	330
85°	49	52	50	49	46	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2482.5	2482.5	2482.5	2482.5	2482.5
2.5°	2482.5	2479.3	2480.1	2480.9	2485.6
5°	2476.1	2473.8	2474.6	2474.6	2477.7
7.5°	2465.9	2465.1	2465.1	2464.3	2466.7
10°	2454.0	2452.5	2453.2	2452.5	2454.0
12.5°	2435.9	2435.9	2436.7	2434.3	2435.9
15°	2409.8	2411.4	2413.0	2409.0	2409.0
17.5°	2376.7	2380.6	2384.5	2377.4	2373.5
20°	2332.4	2341.9	2351.4	2340.3	2330.9
22.5°	2281.1	2296.9	2311.1	2293.7	2281.1
25°	2223.5	2243.2	2259.8	2239.3	2221.9
27.5°	2161.1	2183.2	2199.0	2181.6	2157.9
30°	2093.2	2120.0	2134.3	2117.7	2090.0
32.5°	2020.6	2052.1	2060.8	2050.6	2019.0
35°	1945.5	1980.3	1984.2	1977.1	1945.5
37.5°	1867.4	1900.5	1903.7	1899.7	1867.4
40°	1785.3	1816.0	1816.8	1816.8	1785.3
42.5°	1697.6	1727.6	1727.6	1726.8	1700.0
45°	1604.4	1633.7	1636.0	1634.4	1606.8
47.5°	1512.1	1534.2	1538.1	1535.0	1510.5
50°	1408.6	1431.5	1436.3	1433.1	1414.1
52.5°	1306.0	1327.3	1332.0	1329.7	1308.3
55°	1198.6	1219.1	1222.3	1219.9	1198.6
57.5°	1095.2	1108.6	1111.7	1107.0	1080.2
60°	974.3	993.3	998.8	993.3	968.0
62.5°	857.5	878.0	882.8	874.9	848.0
65°	739.1	759.6	765.1	758.8	729.6
67.5°	626.9	641.9	646.7	639.6	612.7
70°	511.7	530.6	529.8	520.3	496.6
72.5°	398.0	424.0	419.3	413.7	387.7
75°	307.1	319.0	315.8	312.7	291.4
77.5°	219.5	233.7	225.8	226.6	208.5
80°	147.7	161.1	153.2	150.0	140.5
82.5°	94.0	99.5	97.9	96.3	87.6
85°	49.0	52.1	50.5	49.0	45.8
87.5°	19.0	20.5	19.0	19.0	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)