

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: P412802

Luminaire Tested: **22PD-75-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-75-PP3-L950
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

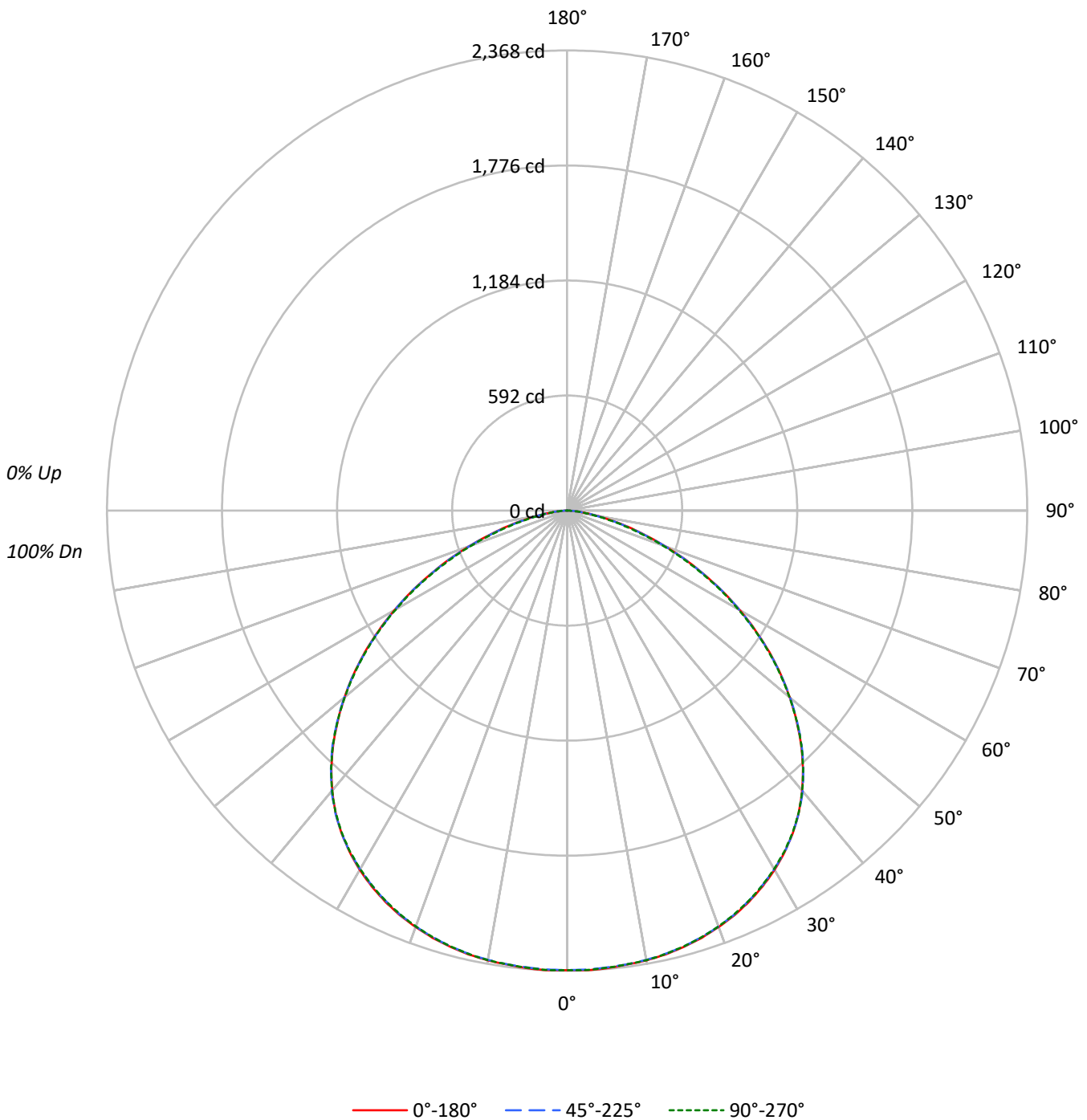
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6785.0 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
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	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	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
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°	6364	6364	6364
5°	6384	6375	6380
10°	6423	6415	6419
15°	6474	6467	6467
20°	6530	6523	6521
25°	6588	6576	6576
30°	6634	6622	6620
35°	6653	6653	6646
40°	6610	6624	6610
45°	6479	6497	6488
50°	6261	6271	6254
55°	5961	5946	5935
60°	5533	5520	5478
65°	4942	4937	4882
70°	4224	4200	4106
75°	3366	3268	3169
80°	2399	2349	2227
85°	1559	1559	1513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.9	3.3
10°-20°	656.0	9.7
20°-30°	1021.5	15.1
30°-40°	1264.3	18.6
40°-50°	1311.0	19.3
50°-60°	1130.0	16.7
60°-70°	768.2	11.3
70°-80°	343.7	5.1
80°-90°	65.5	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°	1902.4	28.0
0°-40°	3166.6	46.7
0°-60°	5607.6	82.6
0°-90°	6785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6785.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2365	2365	2365	2365	2365	
5°	2363	2359	2360	2359	2362	225
15°	2324	2320	2321	2320	2321	657
25°	2219	2216	2215	2214	2215	1023
35°	2025	2023	2025	2022	2023	1265
45°	1702	1701	1707	1703	1705	1310
55°	1270	1266	1267	1265	1265	1133
65°	776	782	775	773	767	771
75°	324	324	314	313	305	348
85°	50	52	50	49	49	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2364.9	2364.9	2364.9	2364.9	2364.9
2.5°	2368.0	2363.3	2363.3	2364.1	2366.5
5°	2363.3	2358.6	2360.1	2359.3	2361.7
7.5°	2357.0	2353.0	2355.4	2353.8	2355.4
10°	2350.7	2346.7	2347.5	2346.7	2349.1
12.5°	2339.6	2334.9	2336.4	2336.4	2337.2
15°	2323.8	2319.9	2321.4	2319.9	2321.4
17.5°	2304.9	2300.1	2300.9	2300.1	2301.7
20°	2280.4	2277.2	2278.0	2276.4	2277.2
22.5°	2252.8	2248.8	2249.6	2248.0	2248.0
25°	2218.8	2215.6	2214.8	2214.1	2214.8
27.5°	2179.3	2175.4	2175.4	2174.6	2174.6
30°	2135.1	2131.2	2131.2	2130.4	2130.4
32.5°	2083.0	2081.4	2082.2	2080.6	2079.8
35°	2025.3	2023.0	2025.3	2022.2	2023.0
37.5°	1958.2	1955.1	1959.8	1956.6	1957.4
40°	1881.6	1880.1	1885.6	1883.2	1881.6
42.5°	1796.4	1796.4	1798.7	1799.5	1797.9
45°	1702.4	1700.8	1707.1	1703.2	1704.8
47.5°	1601.3	1599.0	1603.7	1602.9	1602.1
50°	1495.5	1493.9	1497.9	1493.9	1493.9
52.5°	1385.8	1385.0	1385.8	1381.8	1381.0
55°	1270.5	1265.7	1267.3	1265.0	1265.0
57.5°	1150.5	1144.9	1145.7	1144.9	1145.7
60°	1028.1	1026.5	1025.7	1021.8	1017.8
62.5°	902.5	904.1	903.3	897.8	893.8
65°	776.2	782.5	775.4	773.0	766.7
67.5°	657.0	659.3	654.6	649.1	642.0
70°	536.9	541.7	533.8	528.2	521.9
72.5°	422.4	425.6	418.5	415.3	407.4
75°	323.7	324.5	314.3	312.7	304.8
77.5°	230.6	233.7	225.8	225.8	217.9
80°	154.8	160.3	151.6	149.2	143.7
82.5°	97.1	97.9	95.5	93.2	90.8
85°	50.5	52.1	50.5	49.0	49.0
87.5°	19.0	19.7	19.0	18.2	19.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)