

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: P412458

Luminaire Tested: **22PD-75-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412458
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-L935
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

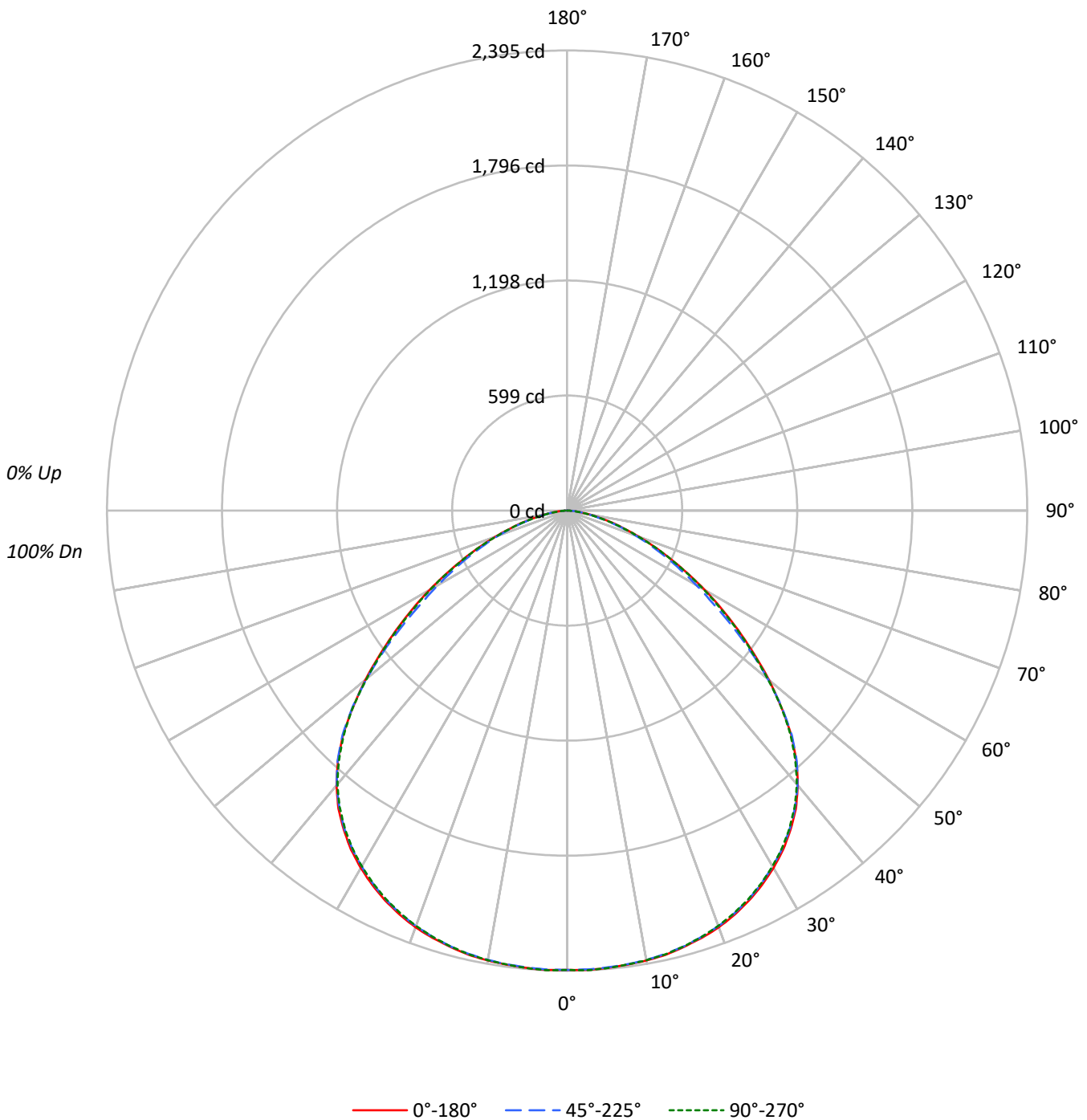
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6277.0 lumens
Efficiency: N/A
Efficacy: 93.0 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94		95	93	91		92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79		85	81	77		82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67		76	70	66		73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58		68	62	57		66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50		61	55	50		59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44		55	49	44		54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39		51	44	39		49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35		46	40	35		45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29		40	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6434	6434	6434
5°	6454	6448	6457
10°	6497	6489	6493
15°	6550	6539	6539
20°	6610	6590	6586
25°	6651	6631	6625
30°	6673	6646	6641
35°	6660	6640	6628
40°	6560	6552	6531
45°	6271	6291	6243
50°	5741	5710	5704
55°	5102	4922	5067
60°	4448	4178	4421
65°	3771	3568	3752
70°	3118	2990	3089
75°	2521	2360	2421
80°	1821	1765	1753
85°	1186	1186	1142



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.5	3.6
10°-20°	663.5	10.6
20°-30°	1029.5	16.4
30°-40°	1262.5	20.1
40°-50°	1262.1	20.1
50°-60°	956.0	15.2
60°-70°	573.4	9.1
70°-80°	252.5	4.0
80°-90°	50.1	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°	1920.5	30.6
0°-40°	3183.1	50.7
0°-60°	5401.1	86.0
0°-90°	6277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6277.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2391	2391	2391	2391	2391	
5°	2389	2386	2387	2386	2390	228
15°	2351	2349	2347	2346	2347	665
25°	2240	2236	2233	2230	2231	1033
35°	2027	2026	2021	2020	2018	1266
45°	1648	1650	1653	1649	1640	1262
55°	1088	1064	1049	1063	1080	975
65°	592	572	560	570	589	592
75°	242	237	227	231	233	259
85°	38	40	38	37	37	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2390.9	2390.9	2390.9	2390.9	2390.9
2.5°	2393.1	2389.4	2390.2	2390.2	2394.6
5°	2389.4	2386.5	2387.2	2386.5	2390.2
7.5°	2384.2	2381.3	2382.0	2381.3	2383.5
10°	2377.6	2374.6	2374.6	2373.2	2376.1
12.5°	2368.7	2365.0	2363.5	2362.8	2365.0
15°	2351.0	2348.8	2347.3	2345.8	2347.3
17.5°	2331.8	2328.1	2326.6	2323.6	2326.6
20°	2308.1	2302.9	2301.4	2299.2	2300.0
22.5°	2277.1	2272.6	2270.4	2266.7	2268.2
25°	2240.1	2235.6	2233.4	2229.7	2231.2
27.5°	2197.2	2194.2	2189.1	2186.1	2186.9
30°	2147.7	2144.7	2138.8	2137.3	2137.3
32.5°	2093.0	2089.3	2084.1	2082.6	2081.9
35°	2027.2	2026.4	2021.3	2019.8	2017.6
37.5°	1955.5	1954.0	1948.1	1946.6	1944.4
40°	1867.5	1866.0	1865.3	1862.3	1859.3
42.5°	1765.5	1767.7	1769.1	1763.2	1757.3
45°	1647.9	1650.1	1653.1	1648.6	1640.5
47.5°	1510.4	1519.3	1514.8	1517.8	1509.7
50°	1371.4	1371.4	1364.0	1367.0	1362.5
52.5°	1225.8	1213.9	1205.1	1211.0	1216.9
55°	1087.5	1063.9	1049.1	1063.1	1080.1
57.5°	955.2	927.1	899.7	921.9	942.6
60°	826.5	794.0	776.3	792.5	821.4
62.5°	704.6	680.9	663.2	675.7	700.1
65°	592.2	571.5	560.4	570.0	589.2
67.5°	489.4	475.4	464.3	472.4	487.2
70°	396.3	392.6	380.0	383.7	392.6
72.5°	311.2	310.5	299.4	302.4	307.5
75°	242.5	237.3	227.0	230.7	232.9
77.5°	171.5	173.7	164.1	166.3	166.3
80°	117.5	121.2	113.9	112.4	113.1
82.5°	74.7	74.7	73.9	73.2	71.0
85°	38.4	39.9	38.4	37.0	37.0
87.5°	14.8	14.8	14.8	14.0	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)