

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: P413268

Luminaire Tested: **24PD-80-PC3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-80-PC3-L935
Description: 8000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

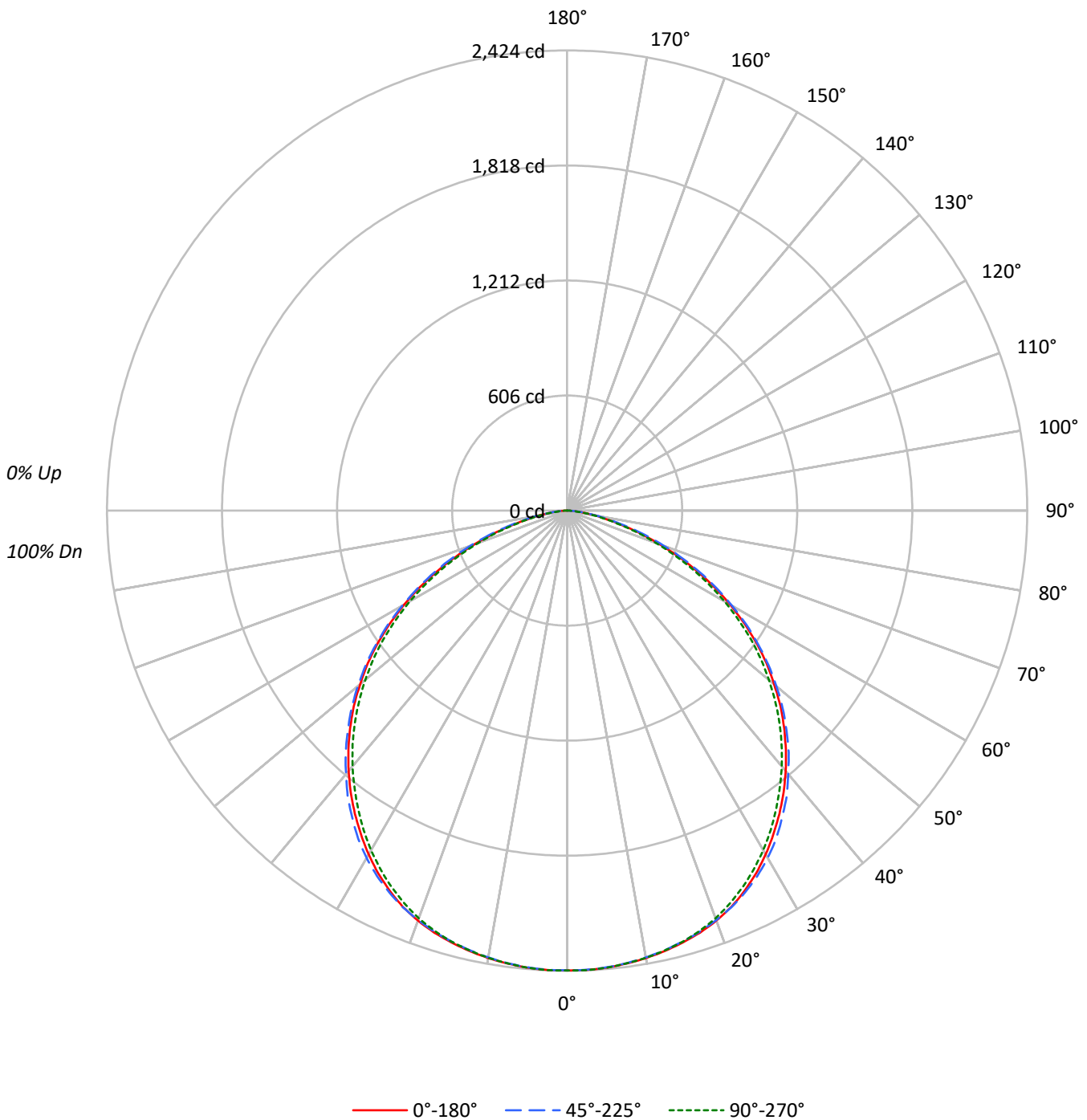
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6621.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60.3
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	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3259	3259	3259
5°	3264	3262	3264
10°	3270	3265	3268
15°	3281	3274	3275
20°	3292	3287	3272
25°	3282	3294	3248
30°	3249	3284	3209
35°	3202	3243	3153
40°	3146	3183	3089
45°	3075	3108	3011
50°	2979	3013	2906
55°	2857	2882	2772
60°	2667	2698	2575
65°	2403	2463	2309
70°	2041	2130	1959
75°	1580	1695	1507
80°	1175	1227	1066
85°	726	777	673



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.8	3.5
10°-20°	664.3	10.0
20°-30°	1017.3	15.4
30°-40°	1223.8	18.5
40°-50°	1248.0	18.8
50°-60°	1081.9	16.3
60°-70°	750.1	11.3
70°-80°	342.6	5.2
80°-90°	63.3	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°	1911.4	28.9
0°-40°	3135.2	47.4
0°-60°	5465.1	82.5
0°-90°	6621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6621.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2422	2422	2422	2422	2422	
5°	2416	2416	2415	2414	2417	230
15°	2355	2354	2350	2348	2351	665
25°	2211	2217	2219	2200	2188	1018
35°	1949	1970	1974	1949	1920	1219
45°	1616	1636	1633	1611	1582	1245
55°	1218	1225	1229	1198	1182	1085
65°	755	771	774	748	725	746
75°	304	321	326	315	290	332
85°	47	48	50	48	44	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2422.3	2422.3	2422.3	2422.3	2422.3
2.5°	2422.3	2422.3	2421.0	2419.6	2423.6
5°	2416.3	2416.3	2414.9	2413.6	2416.9
7.5°	2406.9	2406.2	2404.9	2403.5	2405.5
10°	2393.4	2392.8	2390.1	2389.4	2392.1
12.5°	2376.7	2376.0	2372.0	2372.0	2374.0
15°	2355.2	2354.5	2350.5	2348.5	2351.2
17.5°	2331.0	2330.4	2325.7	2320.3	2321.7
20°	2298.8	2298.8	2295.5	2287.4	2285.4
22.5°	2259.9	2261.9	2261.9	2246.5	2240.5
25°	2210.9	2217.0	2219.0	2199.5	2188.1
27.5°	2155.2	2164.6	2170.0	2145.2	2130.4
30°	2091.5	2106.9	2113.6	2086.8	2065.3
32.5°	2021.7	2041.2	2049.2	2023.1	1995.5
35°	1949.2	1970.0	1974.1	1948.6	1919.7
37.5°	1872.1	1893.6	1898.9	1876.1	1840.5
40°	1790.9	1812.4	1812.4	1793.6	1758.7
42.5°	1705.0	1727.8	1727.1	1704.3	1672.8
45°	1615.8	1635.9	1633.2	1611.1	1582.2
47.5°	1523.8	1536.6	1539.9	1513.8	1486.3
50°	1423.2	1435.9	1439.3	1409.8	1388.3
52.5°	1323.9	1331.9	1336.6	1302.4	1287.0
55°	1217.9	1225.2	1228.6	1198.4	1181.6
57.5°	1105.8	1115.2	1119.2	1089.0	1070.2
60°	991.1	1001.1	1002.5	974.3	956.8
62.5°	874.3	887.7	890.4	862.2	841.4
65°	754.9	771.0	773.7	747.5	725.3
67.5°	635.4	656.9	657.6	636.1	609.9
70°	518.7	542.2	541.5	523.4	497.9
72.5°	407.3	428.8	433.5	416.7	391.9
75°	304.0	320.7	326.1	315.4	289.9
77.5°	216.1	231.5	236.2	226.1	207.3
80°	151.6	152.3	158.4	150.3	137.6
82.5°	93.9	92.6	94.6	91.3	83.9
85°	47.0	48.3	50.3	47.6	43.6
87.5°	16.1	16.8	18.1	18.1	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)