

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: P413295

Luminaire Tested: **24PD-95-PC3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413295
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-95-PC3-L935
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

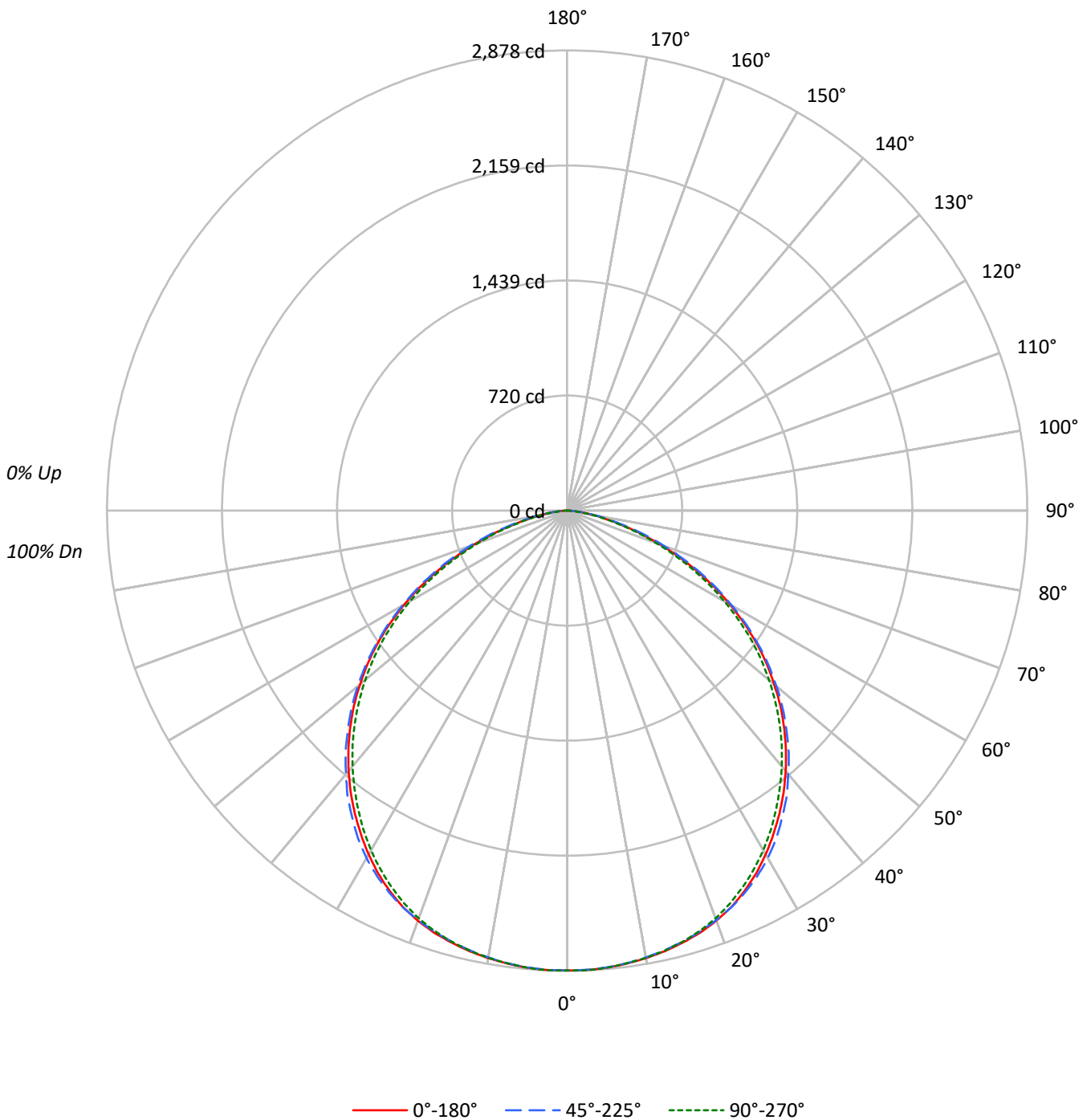
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7862.0 lumens
Efficiency: N/A
Efficacy: 107.7 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): 73
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

TEST NUMBER: P413295
CATALOG NUMBER: 24PD-95-PC3-L935

Luminous Intensity Polar Plot





TEST NUMBER: P413295

CATALOG NUMBER: 24PD-95-PC3-L935

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°	3870	3870	3870
5°	3875	3873	3876
10°	3883	3878	3881
15°	3896	3888	3889
20°	3908	3903	3886
25°	3897	3912	3857
30°	3858	3899	3810
35°	3802	3850	3744
40°	3735	3780	3668
45°	3651	3690	3575
50°	3537	3578	3451
55°	3392	3422	3291
60°	3167	3203	3057
65°	2854	2925	2742
70°	2423	2530	2326
75°	1876	2013	1789
80°	1395	1457	1265
85°	861	923	800



TEST NUMBER: P413295

CATALOG NUMBER: 24PD-95-PC3-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.9	3.5
10°-20°	788.8	10.0
20°-30°	1208.0	15.4
30°-40°	1453.2	18.5
40°-50°	1481.9	18.8
50°-60°	1284.7	16.3
60°-70°	890.7	11.3
70°-80°	406.8	5.2
80°-90°	75.1	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°	2269.6	28.9
0°-40°	3722.9	47.4
0°-60°	6489.4	82.5
0°-90°	7862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7862.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2876	2876	2876	2876	2876	
5°	2869	2869	2868	2866	2870	273
15°	2797	2796	2791	2789	2792	790
25°	2625	2632	2635	2612	2598	1209
35°	2315	2339	2344	2314	2280	1447
45°	1919	1942	1939	1913	1879	1479
55°	1446	1455	1459	1423	1403	1289
65°	896	916	919	888	861	886
75°	361	381	387	374	344	395
85°	56	57	60	57	52	75
90°	0	0	0	0	0	



TEST NUMBER: P413295

CATALOG NUMBER: 24PD-95-PC3-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2876.3	2876.3	2876.3	2876.3	2876.3
2.5°	2876.3	2876.3	2874.7	2873.1	2877.9
5°	2869.2	2869.2	2867.6	2866.0	2869.9
7.5°	2858.0	2857.2	2855.6	2854.0	2856.4
10°	2842.1	2841.3	2838.1	2837.3	2840.5
12.5°	2822.1	2821.3	2816.6	2816.6	2819.0
15°	2796.6	2795.8	2791.1	2788.7	2791.9
17.5°	2768.0	2767.2	2761.6	2755.2	2756.8
20°	2729.7	2729.7	2725.7	2716.2	2713.8
22.5°	2683.5	2685.9	2685.9	2667.6	2660.4
25°	2625.3	2632.5	2634.9	2611.8	2598.3
27.5°	2559.2	2570.4	2576.7	2547.3	2529.7
30°	2483.5	2501.8	2509.8	2477.9	2452.4
32.5°	2400.7	2423.8	2433.3	2402.2	2369.6
35°	2314.6	2339.3	2344.1	2313.8	2279.5
37.5°	2223.0	2248.5	2254.8	2227.8	2185.5
40°	2126.6	2152.1	2152.1	2129.8	2088.3
42.5°	2024.6	2051.7	2050.9	2023.8	1986.3
45°	1918.6	1942.5	1939.3	1913.0	1878.8
47.5°	1809.5	1824.6	1828.6	1797.5	1764.8
50°	1689.9	1705.1	1709.1	1674.0	1648.5
52.5°	1572.0	1581.6	1587.2	1546.5	1528.2
55°	1446.1	1454.9	1458.9	1423.0	1403.1
57.5°	1313.1	1324.2	1329.0	1293.1	1270.8
60°	1176.8	1188.8	1190.4	1156.9	1136.2
62.5°	1038.2	1054.1	1057.3	1023.8	999.1
65°	896.4	915.5	918.7	887.6	861.3
67.5°	754.5	780.0	780.8	755.3	724.3
70°	615.9	643.8	643.0	621.5	591.2
72.5°	483.6	509.1	514.7	494.8	465.3
75°	360.9	380.9	387.2	374.5	344.2
77.5°	256.6	274.9	280.5	268.5	246.2
80°	180.1	180.9	188.0	178.5	163.3
82.5°	111.5	110.0	112.3	108.4	99.6
85°	55.8	57.4	59.8	56.6	51.8
87.5°	19.1	19.9	21.5	21.5	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)