

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: P413296

Luminaire Tested: **24PD-95-PC3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413296
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-L940
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

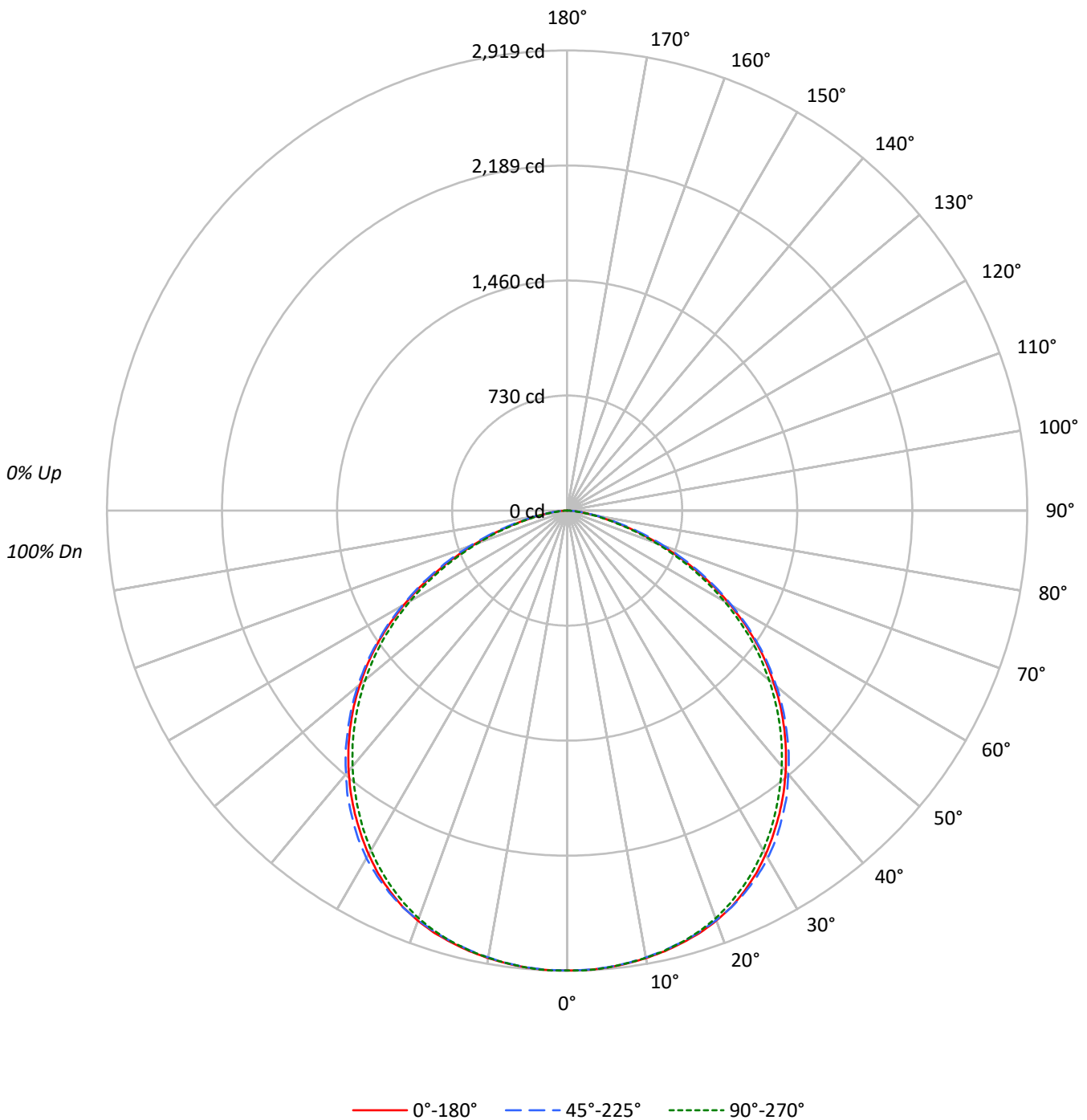
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7974.0 lumens
Efficiency: N/A
Efficacy: 109.2 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: P413296
CATALOG NUMBER: 24PD-95-PC3-L940

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°	3925	3925	3925
5°	3930	3928	3931
10°	3938	3933	3936
15°	3951	3943	3944
20°	3964	3958	3941
25°	3953	3967	3912
30°	3913	3955	3865
35°	3856	3905	3798
40°	3788	3834	3720
45°	3703	3743	3626
50°	3588	3628	3500
55°	3441	3471	3338
60°	3212	3249	3101
65°	2894	2967	2781
70°	2458	2565	2359
75°	1903	2041	1815
80°	1415	1478	1284
85°	874	936	810



TEST NUMBER: P413296

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.7	3.5
10°-20°	800.0	10.0
20°-30°	1225.2	15.4
30°-40°	1473.9	18.5
40°-50°	1503.0	18.8
50°-60°	1303.0	16.3
60°-70°	903.4	11.3
70°-80°	412.6	5.2
80°-90°	76.2	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°	2302.0	28.9
0°-40°	3775.9	47.4
0°-60°	6581.9	82.5
0°-90°	7974.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7974.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2917	2917	2917	2917	2917	
5°	2910	2910	2908	2907	2911	277
15°	2836	2836	2831	2828	2832	801
25°	2663	2670	2672	2649	2635	1226
35°	2348	2373	2378	2347	2312	1468
45°	1946	1970	1967	1940	1906	1500
55°	1467	1476	1480	1443	1423	1307
65°	909	928	932	900	874	899
75°	366	386	393	380	349	400
85°	57	58	61	57	52	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2917.3	2917.3	2917.3	2917.3	2917.3
2.5°	2917.3	2917.3	2915.7	2914.1	2918.9
5°	2910.0	2910.0	2908.4	2906.8	2910.8
7.5°	2898.7	2897.9	2896.3	2894.7	2897.1
10°	2882.5	2881.7	2878.5	2877.7	2880.9
12.5°	2862.3	2861.5	2856.7	2856.7	2859.1
15°	2836.5	2835.7	2830.8	2828.4	2831.6
17.5°	2807.4	2806.6	2800.9	2794.5	2796.1
20°	2768.6	2768.6	2764.6	2754.9	2752.4
22.5°	2721.7	2724.2	2724.2	2705.6	2698.3
25°	2662.7	2670.0	2672.4	2649.0	2635.3
27.5°	2595.7	2607.0	2613.4	2583.5	2565.8
30°	2518.9	2537.5	2545.6	2513.2	2487.4
32.5°	2434.9	2458.3	2468.0	2436.5	2403.3
35°	2347.6	2372.6	2377.5	2346.8	2312.0
37.5°	2254.6	2280.5	2287.0	2259.5	2216.7
40°	2156.9	2182.7	2182.7	2160.1	2118.1
42.5°	2053.4	2080.9	2080.1	2052.6	2014.6
45°	1945.9	1970.2	1967.0	1940.3	1905.5
47.5°	1835.2	1850.6	1854.6	1823.1	1790.0
50°	1714.0	1729.4	1733.4	1697.9	1672.0
52.5°	1594.4	1604.1	1609.8	1568.6	1550.0
55°	1466.7	1475.6	1479.7	1443.3	1423.1
57.5°	1331.8	1343.1	1347.9	1311.6	1288.9
60°	1193.6	1205.7	1207.3	1173.4	1152.4
62.5°	1053.0	1069.1	1072.4	1038.4	1013.4
65°	909.1	928.5	931.8	900.2	873.6
67.5°	765.3	791.1	792.0	766.1	734.6
70°	624.7	653.0	652.1	630.3	599.6
72.5°	490.5	516.4	522.0	501.8	471.9
75°	366.1	386.3	392.7	379.8	349.1
77.5°	260.2	278.8	284.5	272.3	249.7
80°	182.6	183.4	190.7	181.0	165.7
82.5°	113.1	111.5	113.9	109.9	101.0
85°	56.6	58.2	60.6	57.4	52.5
87.5°	19.4	20.2	21.8	21.8	19.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)