

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: P413291

Luminaire Tested: **24PD-95-PC3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413291
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-L840
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

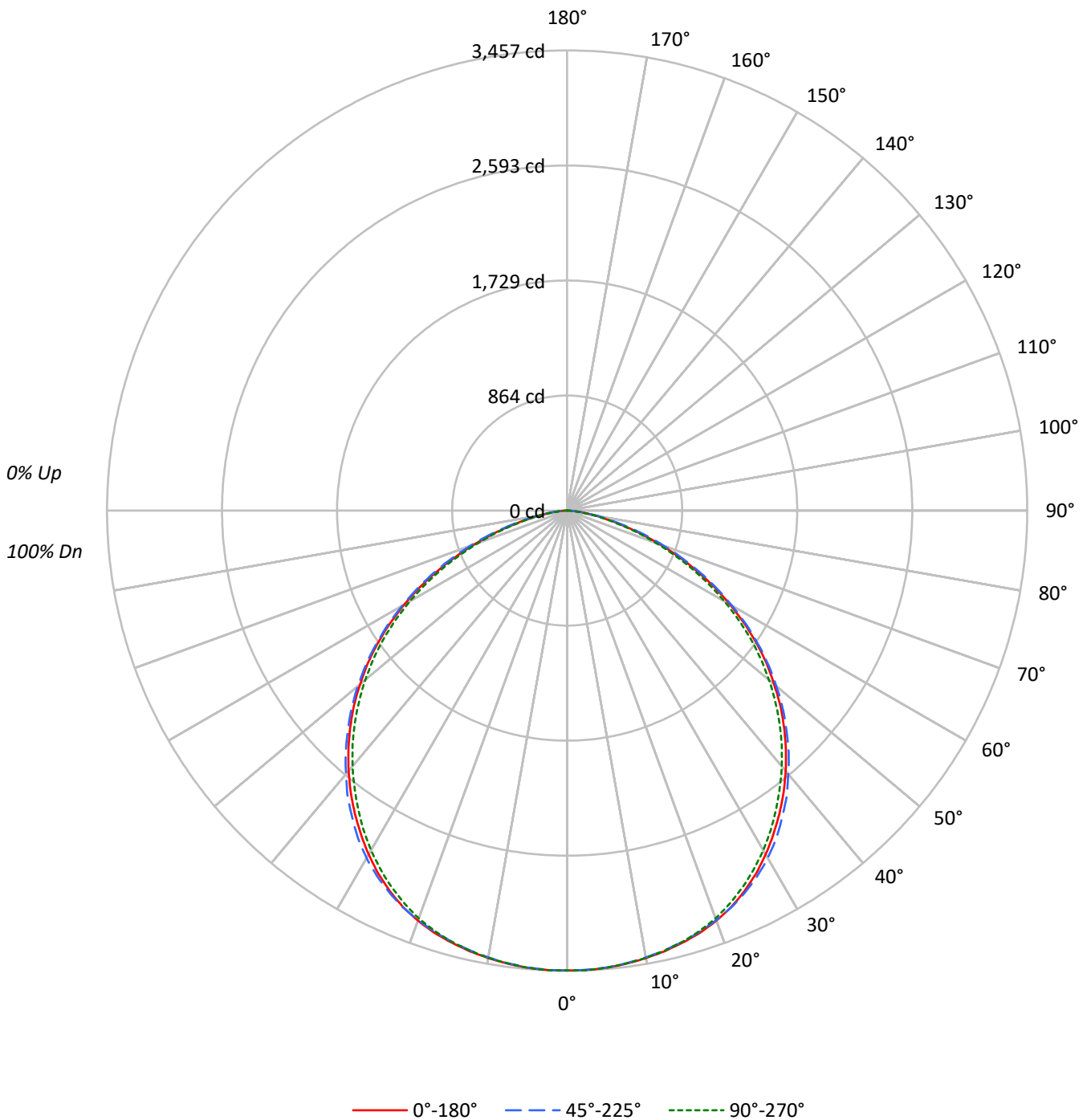
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9443.0 lumens
Efficiency: N/A
Efficacy: 129.4 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: P413291
CATALOG NUMBER: 24PD-95-PC3-L840

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°	4648	4648	4648
5°	4654	4652	4656
10°	4664	4657	4661
15°	4679	4670	4671
20°	4694	4688	4667
25°	4681	4698	4633
30°	4634	4683	4576
35°	4566	4625	4497
40°	4486	4540	4406
45°	4385	4432	4294
50°	4249	4297	4145
55°	4074	4110	3953
60°	3804	3847	3672
65°	3428	3513	3294
70°	2910	3038	2793
75°	2254	2418	2149
80°	1676	1750	1520
85°	1034	1108	960



TEST NUMBER: P413291

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.7	3.5
10°-20°	947.4	10.0
20°-30°	1450.9	15.4
30°-40°	1745.5	18.5
40°-50°	1779.8	18.8
50°-60°	1543.0	16.3
60°-70°	1069.8	11.3
70°-80°	488.6	5.2
80°-90°	90.2	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°	2726.0	28.9
0°-40°	4471.5	47.4
0°-60°	7794.4	82.5
0°-90°	9443.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9443.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3455	3455	3455	3455	3455	
5°	3446	3446	3444	3442	3447	328
15°	3359	3358	3352	3350	3353	949
25°	3153	3162	3165	3137	3121	1452
35°	2780	2810	2816	2779	2738	1738
45°	2304	2333	2329	2298	2257	1776
55°	1737	1748	1752	1709	1685	1548
65°	1077	1100	1103	1066	1034	1064
75°	434	457	465	450	413	474
85°	67	69	72	68	62	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3454.7	3454.7	3454.7	3454.7	3454.7
2.5°	3454.7	3454.7	3452.8	3450.9	3456.6
5°	3446.1	3446.1	3444.2	3442.3	3447.1
7.5°	3432.7	3431.8	3429.8	3427.9	3430.8
10°	3413.6	3412.6	3408.8	3407.8	3411.7
12.5°	3389.7	3388.7	3383.0	3383.0	3385.8
15°	3359.0	3358.1	3352.3	3349.5	3353.3
17.5°	3324.6	3323.6	3316.9	3309.3	3311.2
20°	3278.6	3278.6	3273.9	3262.4	3259.5
22.5°	3223.1	3226.0	3226.0	3204.0	3195.4
25°	3153.3	3161.9	3164.8	3137.0	3120.7
27.5°	3073.8	3087.2	3094.9	3059.5	3038.4
30°	2982.9	3004.9	3014.5	2976.2	2945.6
32.5°	2883.4	2911.2	2922.6	2885.3	2846.1
35°	2780.1	2809.7	2815.5	2779.1	2737.9
37.5°	2670.0	2700.6	2708.3	2675.7	2625.0
40°	2554.2	2584.8	2584.8	2558.0	2508.3
42.5°	2431.7	2464.2	2463.3	2430.8	2385.8
45°	2304.4	2333.1	2329.3	2297.7	2256.6
47.5°	2173.3	2191.5	2196.3	2159.0	2119.7
50°	2029.8	2048.0	2052.7	2010.6	1980.0
52.5°	1888.1	1899.6	1906.3	1857.5	1835.5
55°	1736.9	1747.5	1752.2	1709.2	1685.3
57.5°	1577.1	1590.5	1596.3	1553.2	1526.4
60°	1413.5	1427.8	1429.7	1389.5	1364.7
62.5°	1247.0	1266.1	1269.9	1229.7	1200.1
65°	1076.6	1099.6	1103.4	1066.1	1034.5
67.5°	906.3	936.9	937.8	907.2	869.9
70°	739.8	773.2	772.3	746.5	710.1
72.5°	580.9	611.5	618.2	594.3	558.9
75°	433.5	457.4	465.1	449.8	413.4
77.5°	308.2	330.2	336.9	322.5	295.7
80°	216.3	217.2	225.8	214.4	196.2
82.5°	134.0	132.1	134.9	130.2	119.6
85°	67.0	68.9	71.8	67.9	62.2
87.5°	23.0	23.9	25.8	25.8	23.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)