

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: P413290

Luminaire Tested: **24PD-95-PC3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413290
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-L835
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

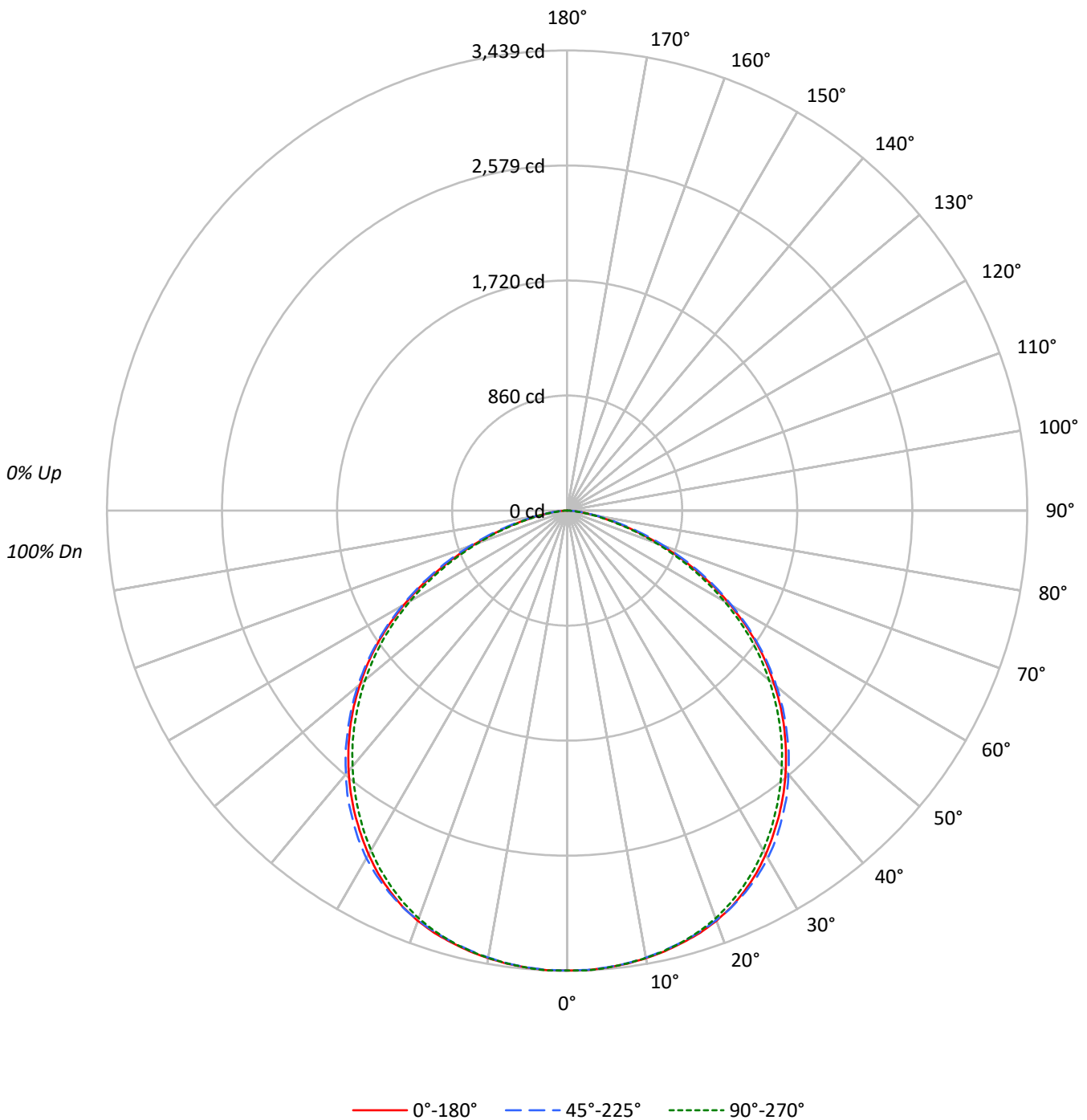
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9396.0 lumens
Efficiency: N/A
Efficacy: 128.7 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

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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°	4625	4625	4625
5°	4631	4629	4633
10°	4641	4634	4638
15°	4656	4646	4648
20°	4671	4664	4644
25°	4658	4675	4610
30°	4611	4660	4554
35°	4544	4601	4475
40°	4464	4517	4384
45°	4363	4410	4272
50°	4228	4275	4124
55°	4054	4090	3934
60°	3785	3828	3654
65°	3411	3495	3277
70°	2896	3023	2780
75°	2243	2406	2139
80°	1667	1741	1512
85°	1030	1102	956



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.1	3.5
10°-20°	942.7	10.0
20°-30°	1443.7	15.4
30°-40°	1736.8	18.5
40°-50°	1771.0	18.8
50°-60°	1535.4	16.3
60°-70°	1064.4	11.3
70°-80°	486.2	5.2
80°-90°	89.8	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°	2712.5	28.9
0°-40°	4449.3	47.4
0°-60°	7755.6	82.5
0°-90°	9396.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9396.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3438	3438	3438	3438	3438	
5°	3429	3429	3427	3425	3430	326
15°	3342	3341	3336	3333	3337	944
25°	3138	3146	3149	3121	3105	1445
35°	2766	2796	2801	2765	2724	1730
45°	2293	2322	2318	2286	2245	1767
55°	1728	1739	1744	1701	1677	1540
65°	1071	1094	1098	1061	1029	1059
75°	431	455	463	448	411	472
85°	67	69	71	68	62	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3437.5	3437.5	3437.5	3437.5	3437.5
2.5°	3437.5	3437.5	3435.6	3433.7	3439.4
5°	3429.0	3429.0	3427.1	3425.2	3429.9
7.5°	3415.6	3414.7	3412.8	3410.9	3413.7
10°	3396.6	3395.6	3391.8	3390.9	3394.7
12.5°	3372.8	3371.8	3366.1	3366.1	3369.0
15°	3342.3	3341.4	3335.6	3332.8	3336.6
17.5°	3308.0	3307.1	3300.4	3292.8	3294.7
20°	3262.3	3262.3	3257.6	3246.1	3243.3
22.5°	3207.1	3210.0	3210.0	3188.1	3179.5
25°	3137.6	3146.2	3149.0	3121.4	3105.2
27.5°	3058.6	3071.9	3079.5	3044.3	3023.3
30°	2968.1	2990.0	2999.5	2961.4	2931.0
32.5°	2869.1	2896.7	2908.1	2871.0	2831.9
35°	2766.2	2795.7	2801.4	2765.3	2724.3
37.5°	2656.7	2687.2	2694.8	2662.4	2612.0
40°	2541.5	2572.0	2572.0	2545.3	2495.8
42.5°	2419.6	2452.0	2451.0	2418.7	2373.9
45°	2293.0	2321.5	2317.7	2286.3	2245.3
47.5°	2162.5	2180.6	2185.4	2148.2	2109.2
50°	2019.7	2037.8	2042.5	2000.6	1970.2
52.5°	1878.7	1890.2	1896.8	1848.3	1826.4
55°	1728.3	1738.8	1743.5	1700.7	1676.9
57.5°	1569.3	1582.6	1588.3	1545.5	1518.8
60°	1406.4	1420.7	1422.6	1382.6	1357.9
62.5°	1240.8	1259.8	1263.6	1223.6	1194.1
65°	1071.3	1094.1	1097.9	1060.8	1029.4
67.5°	901.8	932.2	933.2	902.7	865.6
70°	736.1	769.4	768.4	742.7	706.6
72.5°	578.0	608.5	615.1	591.3	556.1
75°	431.4	455.2	462.8	447.5	411.4
77.5°	306.6	328.5	335.2	320.9	294.2
80°	215.2	216.2	224.7	213.3	195.2
82.5°	133.3	131.4	134.3	129.5	119.0
85°	66.7	68.6	71.4	67.6	61.9
87.5°	22.9	23.8	25.7	25.7	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)