

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: P413297

Luminaire Tested: **24PD-95-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413297
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-L950
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

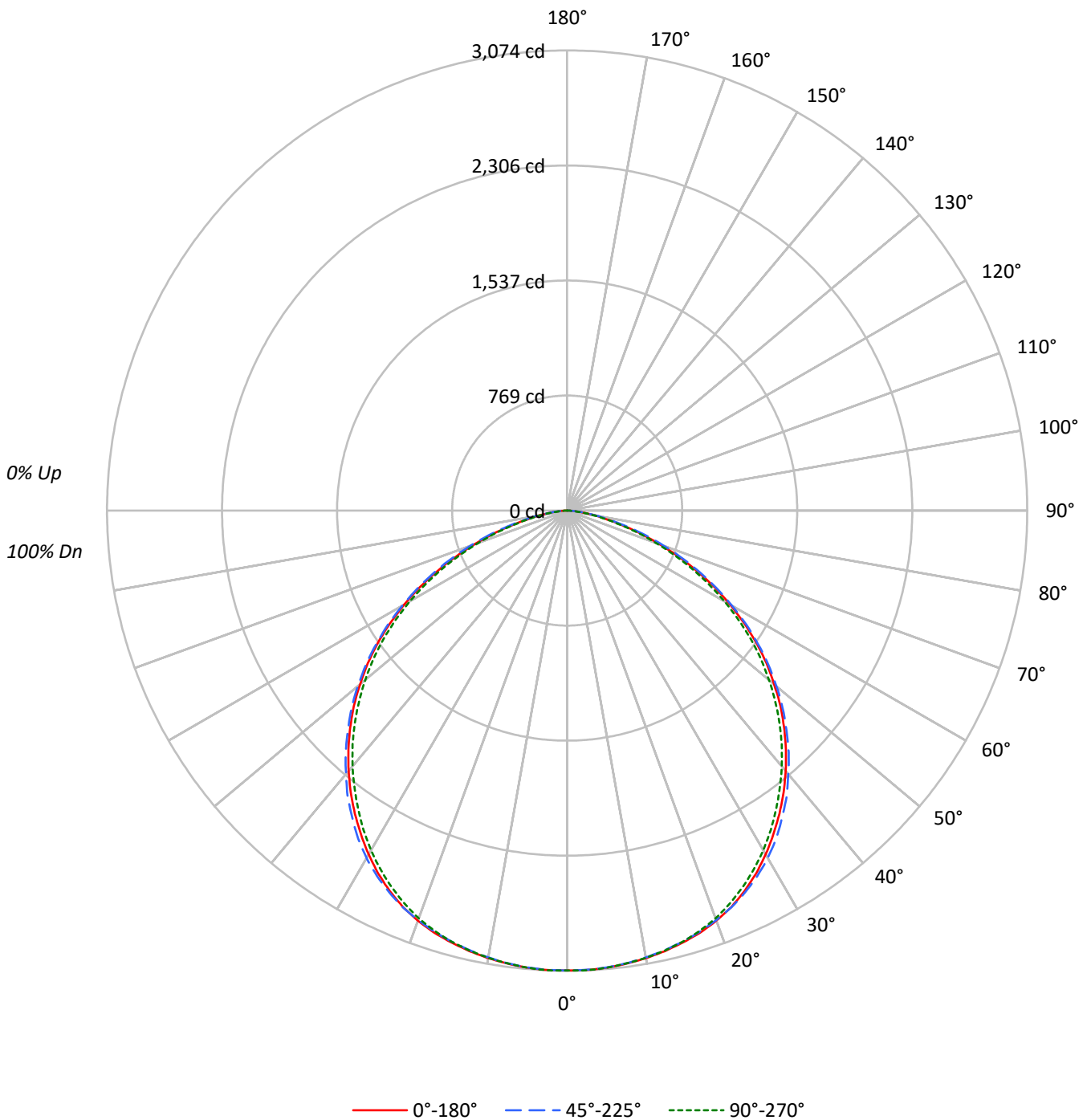
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8397.0 lumens
Efficiency: N/A
Efficacy: 115.0 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°	4133	4133	4133
5°	4139	4137	4140
10°	4147	4141	4145
15°	4161	4152	4154
20°	4175	4168	4150
25°	4163	4178	4120
30°	4121	4165	4069
35°	4061	4112	3999
40°	3989	4037	3918
45°	3899	3941	3818
50°	3778	3821	3686
55°	3623	3655	3515
60°	3382	3421	3266
65°	3048	3124	2929
70°	2588	2701	2484
75°	2004	2150	1911
80°	1490	1556	1352
85°	920	985	854



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.4	3.5
10°-20°	842.5	10.0
20°-30°	1290.2	15.4
30°-40°	1552.1	18.5
40°-50°	1582.7	18.8
50°-60°	1372.1	16.3
60°-70°	951.3	11.3
70°-80°	434.5	5.2
80°-90°	80.2	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°	2424.1	28.9
0°-40°	3976.2	47.4
0°-60°	6931.0	82.5
0°-90°	8397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3072	3072	3072	3072	3072	
5°	3064	3064	3063	3061	3065	292
15°	2987	2986	2981	2978	2982	844
25°	2804	2812	2814	2790	2775	1291
35°	2472	2498	2504	2471	2435	1546
45°	2049	2075	2071	2043	2007	1579
55°	1544	1554	1558	1520	1499	1376
65°	957	978	981	948	920	946
75°	386	407	414	400	368	422
85°	60	61	64	60	55	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3072.1	3072.1	3072.1	3072.1	3072.1
2.5°	3072.1	3072.1	3070.3	3068.6	3073.8
5°	3064.4	3064.4	3062.7	3061.0	3065.2
7.5°	3052.5	3051.6	3049.9	3048.2	3050.8
10°	3035.5	3034.6	3031.2	3030.4	3033.8
12.5°	3014.2	3013.3	3008.2	3008.2	3010.8
15°	2987.0	2986.1	2981.0	2978.4	2981.8
17.5°	2956.3	2955.5	2949.5	2942.7	2944.4
20°	2915.5	2915.5	2911.2	2901.0	2898.5
22.5°	2866.1	2868.7	2868.7	2849.1	2841.4
25°	2804.0	2811.7	2814.2	2789.5	2775.1
27.5°	2733.4	2745.3	2752.1	2720.6	2701.9
30°	2652.5	2672.1	2680.6	2646.6	2619.3
32.5°	2564.0	2588.7	2598.9	2565.7	2530.8
35°	2472.1	2498.5	2503.6	2471.3	2434.7
37.5°	2374.2	2401.5	2408.3	2379.4	2334.2
40°	2271.3	2298.5	2298.5	2274.7	2230.4
42.5°	2162.3	2191.3	2190.4	2161.5	2121.5
45°	2049.2	2074.7	2071.3	2043.2	2006.6
47.5°	1932.6	1948.8	1953.0	1919.8	1884.9
50°	1804.9	1821.1	1825.4	1787.9	1760.7
52.5°	1679.0	1689.2	1695.2	1651.8	1632.2
55°	1544.5	1553.9	1558.2	1519.9	1498.6
57.5°	1402.4	1414.3	1419.4	1381.1	1357.3
60°	1256.9	1269.7	1271.4	1235.6	1213.5
62.5°	1108.8	1125.9	1129.3	1093.5	1067.1
65°	957.4	977.8	981.2	948.0	919.9
67.5°	805.9	833.1	834.0	806.7	773.5
70°	657.8	687.6	686.7	663.8	631.4
72.5°	516.5	543.8	549.7	528.5	497.0
75°	385.5	406.8	413.6	400.0	367.6
77.5°	274.0	293.6	299.5	286.8	263.0
80°	192.3	193.2	200.8	190.6	174.5
82.5°	119.1	117.4	120.0	115.7	106.4
85°	59.6	61.3	63.8	60.4	55.3
87.5°	20.4	21.3	23.0	23.0	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)