

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: P413293

Luminaire Tested: **24PD-95-PC3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413293
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-L927
Description: 9500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

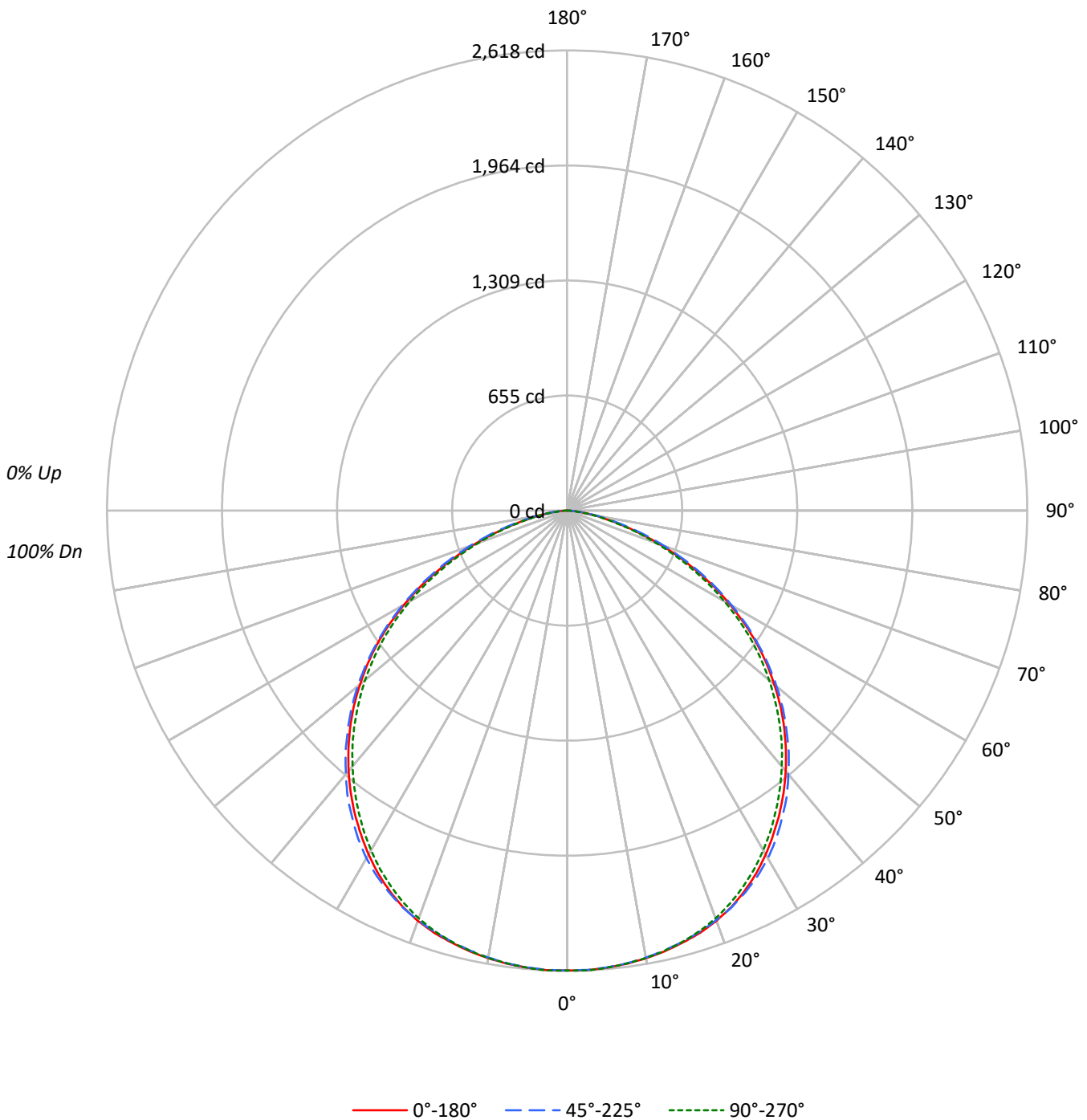
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7153.0 lumens
Efficiency: N/A
Efficacy: 98.0 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 (A_{in}): 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°	3521	3521	3521
5°	3526	3524	3527
10°	3533	3528	3531
15°	3544	3537	3538
20°	3556	3551	3535
25°	3546	3559	3509
30°	3511	3548	3467
35°	3459	3503	3407
40°	3398	3439	3337
45°	3322	3357	3252
50°	3218	3255	3139
55°	3086	3114	2995
60°	2881	2914	2782
65°	2596	2661	2495
70°	2205	2301	2116
75°	1707	1831	1628
80°	1269	1326	1151
85°	783	840	727



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.2	3.5
10°-20°	717.7	10.0
20°-30°	1099.0	15.4
30°-40°	1322.2	18.5
40°-50°	1348.2	18.8
50°-60°	1168.8	16.3
60°-70°	810.3	11.3
70°-80°	370.1	5.2
80°-90°	68.4	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°	2065.0	28.9
0°-40°	3387.1	47.4
0°-60°	5904.2	82.5
0°-90°	7153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7153.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2617	2617	2617	2617	2617	
5°	2610	2610	2609	2608	2611	248
15°	2544	2544	2539	2537	2540	719
25°	2389	2395	2397	2376	2364	1100
35°	2106	2128	2133	2105	2074	1317
45°	1746	1767	1764	1740	1709	1345
55°	1316	1324	1327	1295	1277	1172
65°	816	833	836	808	784	806
75°	328	346	352	341	313	359
85°	51	52	54	52	47	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2616.9	2616.9	2616.9	2616.9	2616.9
2.5°	2616.9	2616.9	2615.5	2614.0	2618.4
5°	2610.4	2610.4	2609.0	2607.5	2611.1
7.5°	2600.3	2599.5	2598.1	2596.6	2598.8
10°	2585.8	2585.0	2582.1	2581.4	2584.3
12.5°	2567.6	2566.9	2562.6	2562.6	2564.7
15°	2544.4	2543.7	2539.4	2537.2	2540.1
17.5°	2518.3	2517.6	2512.5	2506.7	2508.2
20°	2483.5	2483.5	2479.9	2471.2	2469.1
22.5°	2441.5	2443.7	2443.7	2427.0	2420.5
25°	2388.6	2395.1	2397.3	2376.3	2363.9
27.5°	2328.4	2338.6	2344.4	2317.5	2301.6
30°	2259.6	2276.2	2283.5	2254.5	2231.3
32.5°	2184.2	2205.2	2213.9	2185.6	2155.9
35°	2105.9	2128.3	2132.7	2105.1	2074.0
37.5°	2022.5	2045.7	2051.5	2026.9	1988.4
40°	1934.8	1958.0	1958.0	1937.7	1900.0
42.5°	1842.0	1866.6	1865.9	1841.3	1807.2
45°	1745.6	1767.3	1764.4	1740.5	1709.3
47.5°	1646.3	1660.0	1663.7	1635.4	1605.7
50°	1537.5	1551.3	1554.9	1523.0	1499.8
52.5°	1430.3	1439.0	1444.0	1407.1	1390.4
55°	1315.7	1323.7	1327.3	1294.7	1276.6
57.5°	1194.7	1204.8	1209.2	1176.5	1156.2
60°	1070.7	1081.6	1083.0	1052.6	1033.7
62.5°	944.6	959.1	962.0	931.5	909.0
65°	815.5	832.9	835.8	807.6	783.6
67.5°	686.5	709.7	710.4	687.2	658.9
70°	560.4	585.7	585.0	565.4	537.9
72.5°	440.0	463.2	468.3	450.2	423.3
75°	328.4	346.5	352.3	340.7	313.2
77.5°	233.4	250.1	255.2	244.3	224.0
80°	163.8	164.6	171.1	162.4	148.6
82.5°	101.5	100.0	102.2	98.6	90.6
85°	50.7	52.2	54.4	51.5	47.1
87.5°	17.4	18.1	19.6	19.6	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)