

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: P413236

Luminaire Tested: **24PD-65-PC3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413236
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-65-PC3-L835
Description: 6500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

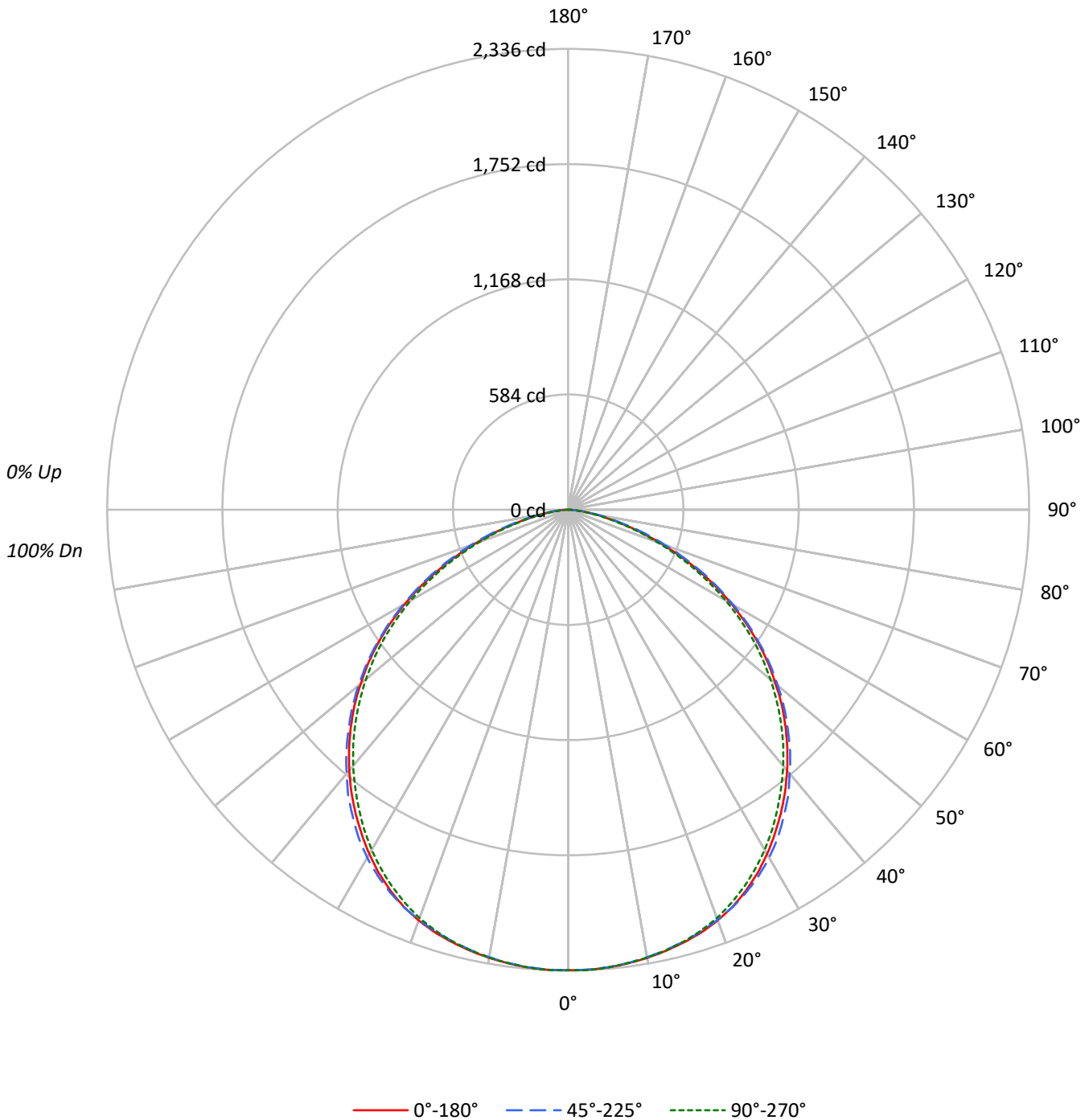
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6381.0 lumens
Efficiency: N/A
Efficacy: 128.4 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): 49.7
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°	3141	3141	3141
5°	3145	3143	3146
10°	3152	3147	3150
15°	3162	3155	3156
20°	3172	3168	3154
25°	3163	3175	3131
30°	3132	3165	3093
35°	3086	3125	3039
40°	3032	3068	2977
45°	2963	2995	2902
50°	2871	2903	2801
55°	2753	2778	2671
60°	2570	2600	2482
65°	2316	2374	2226
70°	1967	2053	1888
75°	1523	1634	1452
80°	1132	1182	1027
85°	699	749	648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.5	3.5
10°-20°	640.2	10.0
20°-30°	980.4	15.4
30°-40°	1179.5	18.5
40°-50°	1202.7	18.8
50°-60°	1042.7	16.3
60°-70°	722.9	11.3
70°-80°	330.2	5.2
80°-90°	61.0	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°	1842.1	28.9
0°-40°	3021.6	47.4
0°-60°	5267.0	82.5
0°-90°	6381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6381.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2334	2334	2334	2334	2334	
5°	2329	2329	2327	2326	2329	222
15°	2270	2269	2265	2263	2266	641
25°	2131	2137	2139	2120	2109	981
35°	1879	1899	1902	1878	1850	1175
45°	1557	1577	1574	1553	1525	1200
55°	1174	1181	1184	1155	1139	1046
65°	728	743	746	720	699	719
75°	293	309	314	304	279	320
85°	45	47	48	46	42	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2334.5	2334.5	2334.5	2334.5	2334.5
2.5°	2334.5	2334.5	2333.2	2331.9	2335.8
5°	2328.7	2328.7	2327.4	2326.1	2329.3
7.5°	2319.6	2319.0	2317.7	2316.4	2318.3
10°	2306.7	2306.0	2303.5	2302.8	2305.4
12.5°	2290.5	2289.9	2286.0	2286.0	2287.9
15°	2269.8	2269.2	2265.3	2263.4	2265.9
17.5°	2246.5	2245.9	2241.4	2236.2	2237.5
20°	2215.5	2215.5	2212.3	2204.5	2202.6
22.5°	2178.0	2179.9	2179.9	2165.1	2159.2
25°	2130.8	2136.6	2138.6	2119.8	2108.8
27.5°	2077.1	2086.2	2091.3	2067.4	2053.2
30°	2015.7	2030.6	2037.0	2011.2	1990.5
32.5°	1948.4	1967.2	1974.9	1949.7	1923.2
35°	1878.6	1898.6	1902.5	1877.9	1850.1
37.5°	1804.2	1824.9	1830.1	1808.1	1773.8
40°	1726.0	1746.7	1746.7	1728.6	1694.9
42.5°	1643.2	1665.2	1664.5	1642.6	1612.2
45°	1557.2	1576.6	1574.0	1552.7	1524.9
47.5°	1468.6	1480.9	1484.1	1458.9	1432.4
50°	1371.6	1383.9	1387.1	1358.7	1338.0
52.5°	1275.9	1283.6	1288.2	1255.2	1240.3
55°	1173.7	1180.8	1184.1	1155.0	1138.8
57.5°	1065.7	1074.8	1078.7	1049.6	1031.4
60°	955.1	964.8	966.1	939.0	922.2
62.5°	842.6	855.6	858.1	831.0	810.9
65°	727.5	743.0	745.6	720.4	699.1
67.5°	612.4	633.1	633.7	613.0	587.8
70°	499.9	522.5	521.9	504.4	479.8
72.5°	392.5	413.2	417.8	401.6	377.7
75°	292.9	309.1	314.3	303.9	279.4
77.5°	208.2	223.1	227.6	217.9	199.8
80°	146.1	146.8	152.6	144.9	132.6
82.5°	90.5	89.2	91.2	87.9	80.8
85°	45.3	46.6	48.5	45.9	42.0
87.5°	15.5	16.2	17.5	17.5	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)