

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: P412925

Luminaire Tested: **24PD-80-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-80-PP3-L930
Description: 8000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

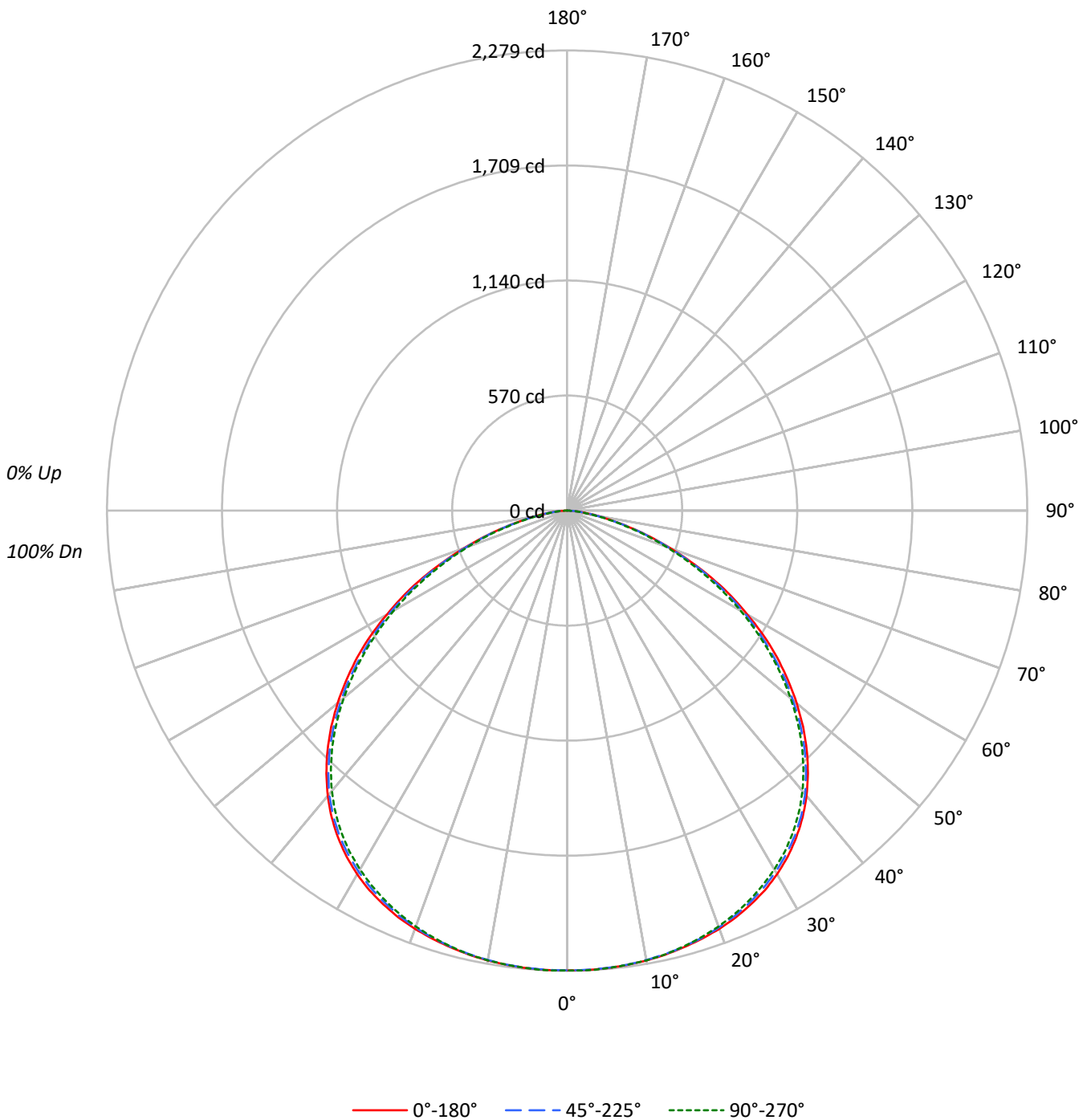
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6626.0 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60.3
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	98	95	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71	66	63	60
4	83	72	63	56	81	70	62	56	68	61	55		65	59	54		63	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48		59	52	47		57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32	31
9	57	44	35	30	55	43	35	30	42	35	30		41	34	29		40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3064	3064	3064
5°	3072	3071	3073
10°	3091	3088	3090
15°	3119	3114	3112
20°	3156	3146	3138
25°	3196	3179	3164
30°	3231	3209	3188
35°	3249	3229	3200
40°	3240	3220	3184
45°	3194	3162	3127
50°	3106	3056	3024
55°	2978	2906	2869
60°	2774	2726	2671
65°	2515	2465	2393
70°	2146	2107	2040
75°	1677	1659	1580
80°	1237	1185	1119
85°	746	746	695



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.6	3.3
10°-20°	632.2	9.5
20°-30°	988.1	14.9
30°-40°	1228.1	18.5
40°-50°	1279.5	19.3
50°-60°	1110.3	16.8
60°-70°	763.5	11.5
70°-80°	344.5	5.2
80°-90°	63.1	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°	1837.0	27.7
0°-40°	3065.0	46.3
0°-60°	5454.9	82.3
0°-90°	6626.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6626.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2277	2277	2277	2277	2277	
5°	2274	2275	2274	2272	2275	217
15°	2239	2239	2235	2234	2234	633
25°	2153	2152	2141	2133	2132	993
35°	1978	1978	1966	1955	1948	1236
45°	1679	1679	1662	1649	1644	1292
55°	1269	1262	1239	1224	1223	1131
65°	790	787	774	756	752	780
75°	322	324	319	311	304	351
85°	48	48	48	48	45	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2277.2	2277.2	2277.2	2277.2	2277.2
2.5°	2277.8	2277.8	2276.5	2274.5	2279.1
5°	2274.5	2275.2	2273.9	2271.9	2275.2
7.5°	2269.9	2270.5	2268.6	2266.6	2269.2
10°	2262.6	2261.9	2259.9	2258.6	2261.9
12.5°	2252.0	2251.3	2249.4	2248.0	2250.7
15°	2238.8	2238.8	2235.4	2233.5	2234.1
17.5°	2222.9	2222.9	2218.2	2213.6	2214.9
20°	2204.3	2203.7	2197.0	2192.4	2191.7
22.5°	2181.2	2181.2	2171.9	2165.9	2163.9
25°	2152.7	2152.0	2141.4	2132.8	2131.5
27.5°	2120.2	2118.9	2106.3	2097.7	2094.4
30°	2079.8	2078.5	2065.3	2056.0	2052.0
32.5°	2032.2	2034.2	2018.9	2008.3	2004.4
35°	1977.9	1977.9	1965.9	1954.7	1948.1
37.5°	1915.6	1915.6	1904.4	1893.1	1885.2
40°	1844.8	1845.4	1833.5	1819.6	1813.0
42.5°	1765.3	1766.6	1750.7	1739.5	1732.2
45°	1678.6	1679.2	1662.0	1649.4	1643.5
47.5°	1584.5	1583.2	1564.0	1553.4	1547.5
50°	1483.9	1481.2	1460.1	1450.1	1444.8
52.5°	1378.6	1373.3	1354.8	1340.2	1335.6
55°	1269.4	1262.1	1238.9	1224.3	1223.0
57.5°	1155.5	1146.9	1127.7	1113.8	1108.5
60°	1031.0	1029.0	1013.1	996.5	992.6
62.5°	914.4	908.5	894.6	874.7	872.7
65°	790.0	786.6	774.1	755.5	751.5
67.5°	661.5	664.8	654.2	637.7	632.4
70°	545.6	547.6	535.7	520.5	518.5
72.5°	429.1	432.4	422.5	412.5	410.5
75°	322.5	323.8	319.2	310.6	303.9
77.5°	229.1	233.7	228.4	222.5	217.2
80°	159.6	152.3	153.0	150.3	144.4
82.5°	96.0	92.7	92.0	89.4	86.7
85°	48.3	47.7	48.3	47.7	45.0
87.5°	15.9	17.2	17.9	17.9	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)