

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: P412778

Luminaire Tested: **22PD-65-PP3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-65-PP3-L840
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

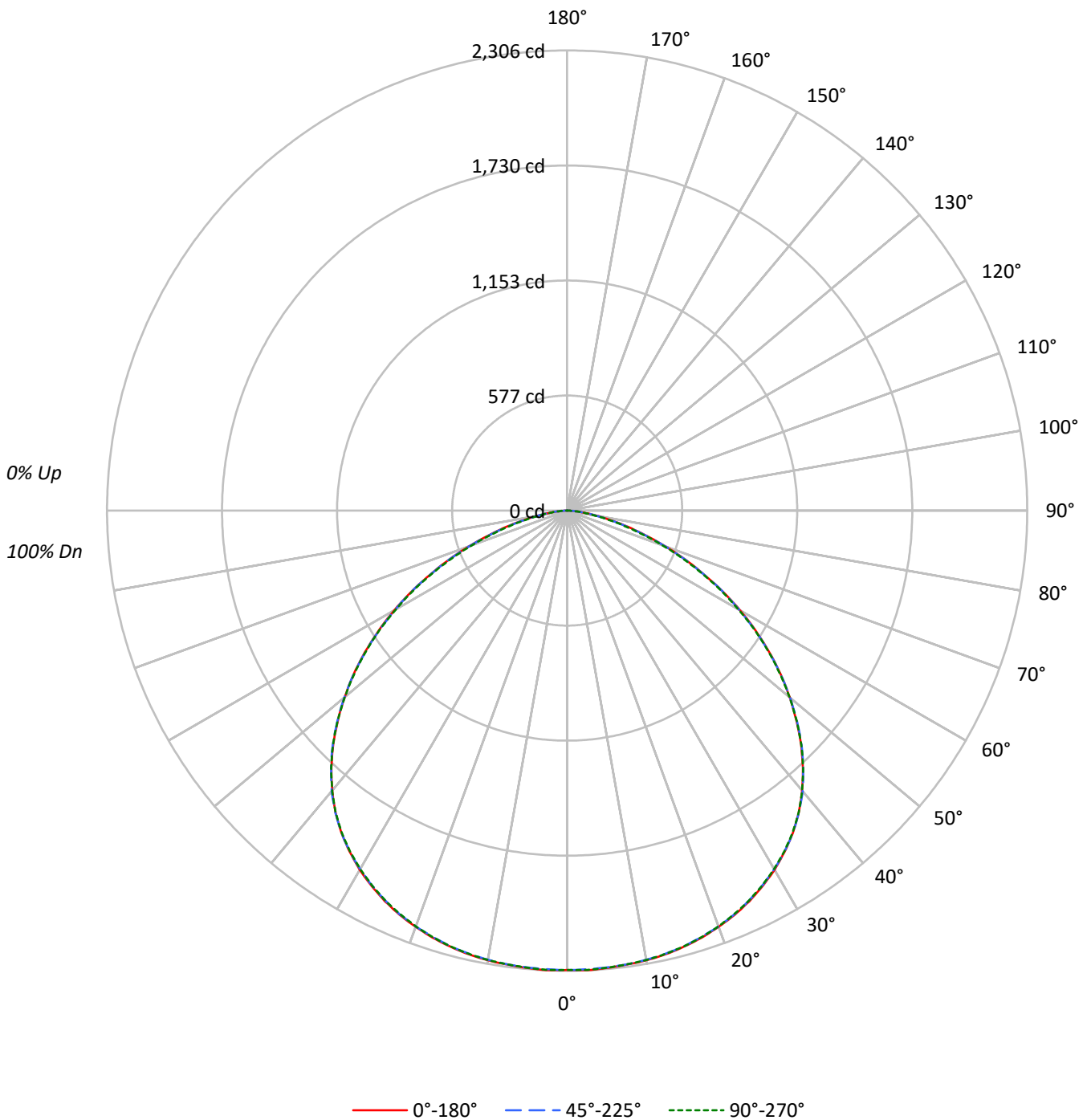
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6606.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 57.9
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	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
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°	6196	6196	6196
5°	6215	6207	6211
10°	6254	6245	6249
15°	6303	6297	6297
20°	6358	6351	6349
25°	6414	6403	6403
30°	6459	6447	6445
35°	6478	6478	6470
40°	6435	6449	6435
45°	6308	6325	6317
50°	6096	6105	6089
55°	5803	5789	5778
60°	5387	5374	5334
65°	4812	4807	4753
70°	4113	4089	3998
75°	3277	3182	3085
80°	2335	2287	2168
85°	1519	1519	1473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.0	3.3
10°-20°	638.7	9.7
20°-30°	994.5	15.1
30°-40°	1230.9	18.6
40°-50°	1276.4	19.3
50°-60°	1100.1	16.7
60°-70°	747.9	11.3
70°-80°	334.7	5.1
80°-90°	63.7	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°	1852.2	28.0
0°-40°	3083.1	46.7
0°-60°	5459.6	82.6
0°-90°	6606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6606.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2302	2302	2302	2302	2302	
5°	2301	2296	2298	2297	2299	219
15°	2262	2259	2260	2259	2260	640
25°	2160	2157	2156	2156	2156	996
35°	1972	1970	1972	1969	1970	1232
45°	1658	1656	1662	1658	1660	1276
55°	1237	1232	1234	1232	1232	1103
65°	756	762	755	753	746	750
75°	315	316	306	304	297	339
85°	49	51	49	48	48	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2302.5	2302.5	2302.5	2302.5	2302.5
2.5°	2305.6	2300.9	2300.9	2301.7	2304.0
5°	2300.9	2296.3	2297.9	2297.1	2299.4
7.5°	2294.8	2291.0	2293.3	2291.7	2293.3
10°	2288.6	2284.8	2285.6	2284.8	2287.1
12.5°	2277.9	2273.3	2274.8	2274.8	2275.6
15°	2262.5	2258.7	2260.2	2258.7	2260.2
17.5°	2244.1	2239.4	2240.2	2239.4	2241.0
20°	2220.2	2217.2	2217.9	2216.4	2217.2
22.5°	2193.3	2189.5	2190.2	2188.7	2188.7
25°	2160.3	2157.2	2156.4	2155.6	2156.4
27.5°	2121.8	2118.0	2118.0	2117.2	2117.2
30°	2078.8	2074.9	2074.9	2074.2	2074.2
32.5°	2028.0	2026.5	2027.3	2025.7	2025.0
35°	1971.9	1969.6	1971.9	1968.8	1969.6
37.5°	1906.6	1903.5	1908.1	1905.0	1905.8
40°	1832.0	1830.5	1835.8	1833.5	1832.0
42.5°	1749.0	1749.0	1751.3	1752.0	1750.5
45°	1657.5	1655.9	1662.1	1658.3	1659.8
47.5°	1559.1	1556.8	1561.4	1560.6	1559.8
50°	1456.1	1454.5	1458.4	1454.5	1454.5
52.5°	1349.2	1348.4	1349.2	1345.4	1344.6
55°	1237.0	1232.3	1233.9	1231.6	1231.6
57.5°	1120.1	1114.7	1115.5	1114.7	1115.5
60°	1000.9	999.4	998.6	994.8	991.0
62.5°	878.7	880.2	879.5	874.1	870.3
65°	755.7	761.9	754.9	752.6	746.5
67.5°	639.6	641.9	637.3	631.9	625.0
70°	522.8	527.4	519.7	514.3	508.2
72.5°	411.3	414.4	407.5	404.4	396.7
75°	315.2	316.0	306.0	304.4	296.7
77.5°	224.5	227.6	219.9	219.9	212.2
80°	150.7	156.1	147.6	145.3	139.9
82.5°	94.6	95.3	93.0	90.7	88.4
85°	49.2	50.7	49.2	47.7	47.7
87.5°	18.5	19.2	18.5	17.7	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)