

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: P412776

Luminaire Tested: **22PD-65-PP3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412776
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-L830
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

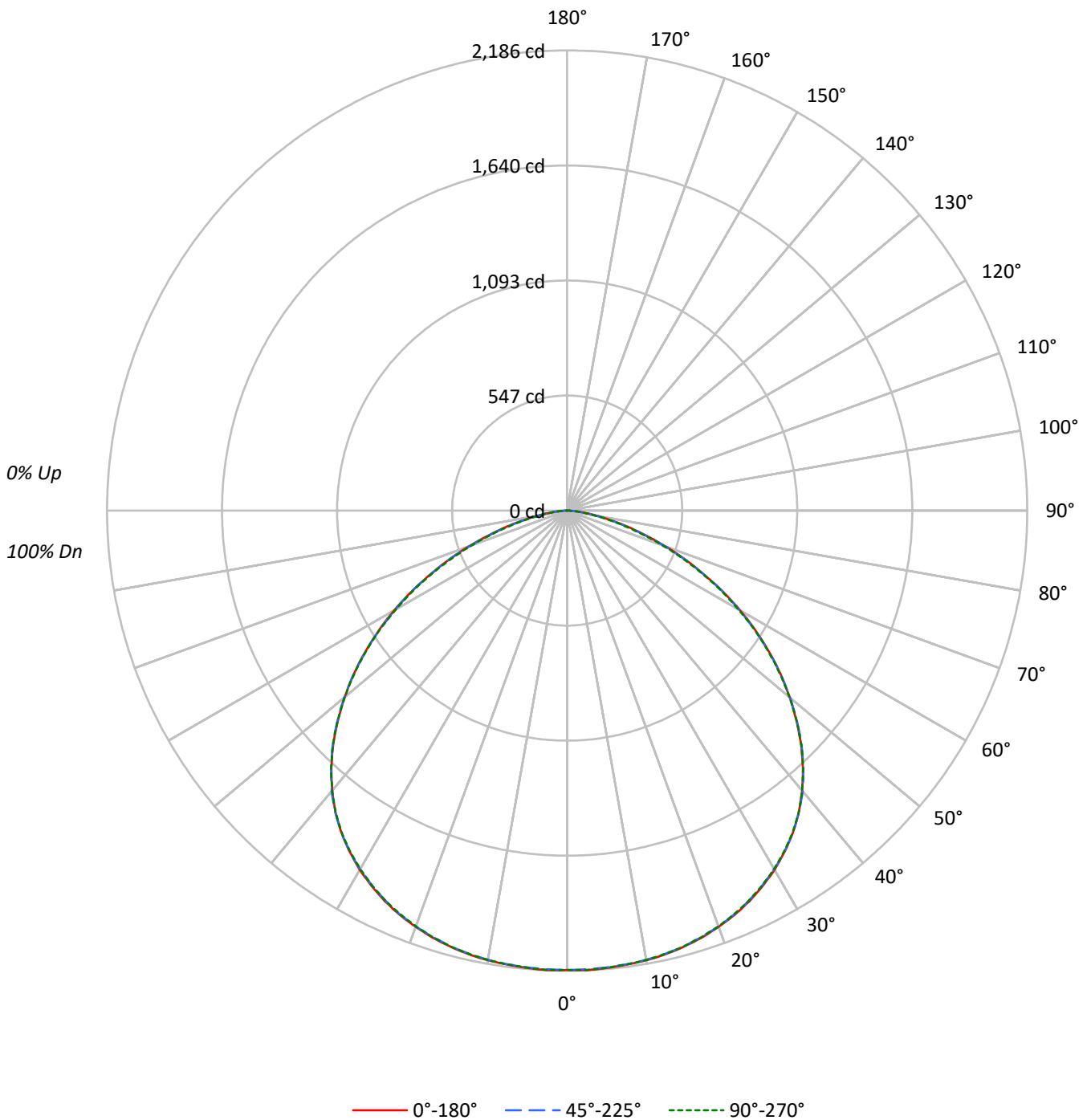
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6262.0 lumens
Efficiency: N/A
Efficacy: 108.2 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 (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	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°	5873	5873	5873
5°	5892	5884	5888
10°	5928	5920	5924
15°	5975	5969	5969
20°	6027	6021	6019
25°	6080	6069	6069
30°	6123	6112	6109
35°	6140	6140	6133
40°	6100	6113	6100
45°	5979	5996	5988
50°	5778	5787	5772
55°	5501	5487	5477
60°	5106	5095	5056
65°	4562	4557	4506
70°	3899	3876	3790
75°	3107	3015	2925
80°	2213	2168	2055
85°	1439	1439	1396



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.6	3.3
10°-20°	605.4	9.7
20°-30°	942.7	15.1
30°-40°	1166.8	18.6
40°-50°	1209.9	19.3
50°-60°	1042.9	16.7
60°-70°	709.0	11.3
70°-80°	317.2	5.1
80°-90°	60.4	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°	1755.7	28.0
0°-40°	2922.5	46.7
0°-60°	5175.3	82.6
0°-90°	6262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2183	2183	2183	2183	2183	
5°	2181	2177	2178	2178	2180	208
15°	2145	2141	2142	2141	2142	606
25°	2048	2045	2044	2043	2044	944
35°	1869	1867	1869	1866	1867	1168
45°	1571	1570	1576	1572	1573	1209
55°	1172	1168	1170	1167	1167	1045
65°	716	722	716	713	708	711
75°	299	300	290	289	281	321
85°	47	48	47	45	45	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2182.6	2182.6	2182.6	2182.6	2182.6
2.5°	2185.5	2181.1	2181.1	2181.9	2184.0
5°	2181.1	2176.8	2178.2	2177.5	2179.7
7.5°	2175.3	2171.7	2173.8	2172.4	2173.8
10°	2169.5	2165.8	2166.6	2165.8	2168.0
12.5°	2159.3	2154.9	2156.4	2156.4	2157.1
15°	2144.7	2141.0	2142.5	2141.0	2142.5
17.5°	2127.2	2122.8	2123.6	2122.8	2124.3
20°	2104.6	2101.7	2102.4	2101.0	2101.7
22.5°	2079.1	2075.5	2076.2	2074.7	2074.7
25°	2047.8	2044.9	2044.1	2043.4	2044.1
27.5°	2011.3	2007.7	2007.7	2007.0	2007.0
30°	1970.5	1966.9	1966.9	1966.1	1966.1
32.5°	1922.4	1921.0	1921.7	1920.2	1919.5
35°	1869.2	1867.0	1869.2	1866.3	1867.0
37.5°	1807.3	1804.4	1808.7	1805.8	1806.6
40°	1736.6	1735.1	1740.2	1738.1	1736.6
42.5°	1657.9	1657.9	1660.1	1660.8	1659.3
45°	1571.2	1569.7	1575.5	1571.9	1573.4
47.5°	1477.9	1475.7	1480.1	1479.3	1478.6
50°	1380.2	1378.8	1382.4	1378.8	1378.8
52.5°	1278.9	1278.2	1278.9	1275.3	1274.6
55°	1172.5	1168.2	1169.6	1167.4	1167.4
57.5°	1061.8	1056.7	1057.4	1056.7	1057.4
60°	948.8	947.4	946.6	943.0	939.4
62.5°	833.0	834.4	833.7	828.6	824.9
65°	716.4	722.2	715.6	713.4	707.6
67.5°	606.3	608.5	604.1	599.0	592.5
70°	495.5	499.9	492.6	487.5	481.7
72.5°	389.9	392.8	386.2	383.3	376.0
75°	298.8	299.5	290.0	288.6	281.3
77.5°	212.8	215.7	208.4	208.4	201.1
80°	142.8	147.9	139.9	137.7	132.6
82.5°	89.6	90.4	88.2	86.0	83.8
85°	46.6	48.1	46.6	45.2	45.2
87.5°	17.5	18.2	17.5	16.8	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)