

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: P412425

Luminaire Tested: **22PD-60-PB1-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-60-PB1-L830
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

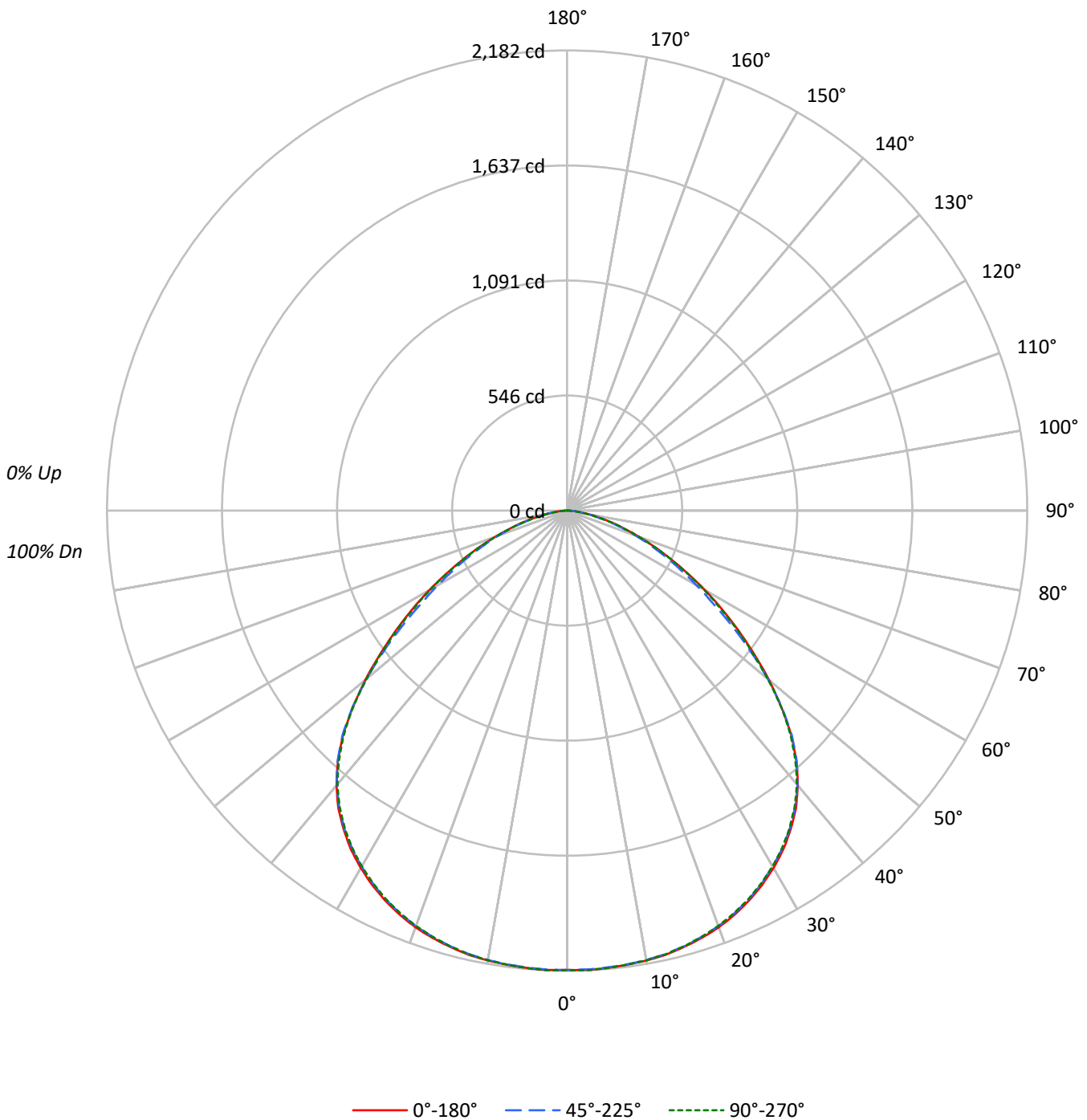
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5719.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 53.6
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5862	5862	5862
5°	5881	5875	5883
10°	5919	5912	5916
15°	5967	5958	5958
20°	6022	6005	6001
25°	6060	6042	6036
30°	6080	6055	6051
35°	6068	6050	6039
40°	5977	5970	5951
45°	5714	5732	5688
50°	5231	5203	5197
55°	4648	4484	4617
60°	4053	3807	4027
65°	3435	3251	3418
70°	2840	2724	2814
75°	2297	2150	2206
80°	1660	1607	1598
85°	1081	1081	1041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.3	3.6
10°-20°	604.5	10.6
20°-30°	938.0	16.4
30°-40°	1150.3	20.1
40°-50°	1149.9	20.1
50°-60°	871.0	15.2
60°-70°	522.4	9.1
70°-80°	230.0	4.0
80°-90°	45.6	0.8
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°	1749.8	30.6
0°-40°	2900.1	50.7
0°-60°	4921.0	86.0
0°-90°	5719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5719.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2178	2178	2178	2178	2178	
5°	2177	2174	2175	2174	2178	207
15°	2142	2140	2139	2137	2139	606
25°	2041	2037	2035	2032	2033	941
35°	1847	1846	1842	1840	1838	1154
45°	1501	1503	1506	1502	1495	1149
55°	991	969	956	969	984	888
65°	540	521	511	519	537	540
75°	221	216	207	210	212	236
85°	35	36	35	34	34	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2178.4	2178.4	2178.4	2178.4	2178.4
2.5°	2180.4	2177.0	2177.7	2177.7	2181.7
5°	2177.0	2174.3	2175.0	2174.3	2177.7
7.5°	2172.3	2169.6	2170.3	2169.6	2171.6
10°	2166.2	2163.5	2163.5	2162.2	2164.9
12.5°	2158.2	2154.8	2153.4	2152.8	2154.8
15°	2142.0	2140.0	2138.6	2137.3	2138.6
17.5°	2124.5	2121.1	2119.8	2117.1	2119.8
20°	2102.9	2098.2	2096.9	2094.8	2095.5
22.5°	2074.6	2070.6	2068.6	2065.2	2066.5
25°	2041.0	2036.9	2034.9	2031.5	2032.9
27.5°	2001.9	1999.2	1994.5	1991.8	1992.5
30°	1956.8	1954.1	1948.7	1947.3	1947.3
32.5°	1906.9	1903.5	1898.8	1897.5	1896.8
35°	1847.0	1846.3	1841.6	1840.2	1838.2
37.5°	1781.6	1780.3	1774.9	1773.5	1771.5
40°	1701.5	1700.1	1699.4	1696.8	1694.1
42.5°	1608.5	1610.5	1611.9	1606.5	1601.1
45°	1501.4	1503.4	1506.1	1502.1	1494.7
47.5°	1376.1	1384.2	1380.2	1382.9	1375.5
50°	1249.5	1249.5	1242.8	1245.5	1241.4
52.5°	1116.8	1106.0	1097.9	1103.3	1108.7
55°	990.8	969.3	955.8	968.6	984.1
57.5°	870.3	844.7	819.7	840.0	858.8
60°	753.1	723.4	707.3	722.1	748.3
62.5°	641.9	620.4	604.2	615.7	637.9
65°	539.5	520.7	510.6	519.3	536.8
67.5°	445.9	433.1	423.0	430.4	443.9
70°	361.0	357.7	346.2	349.6	357.7
72.5°	283.6	282.9	272.8	275.5	280.2
75°	220.9	216.2	206.8	210.2	212.2
77.5°	156.3	158.3	149.5	151.6	151.6
80°	107.1	110.5	103.7	102.4	103.1
82.5°	68.0	68.0	67.4	66.7	64.7
85°	35.0	36.4	35.0	33.7	33.7
87.5°	13.5	13.5	13.5	12.8	12.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)