

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: P412426

Luminaire Tested: **22PD-60-PB1-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412426
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-L835
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

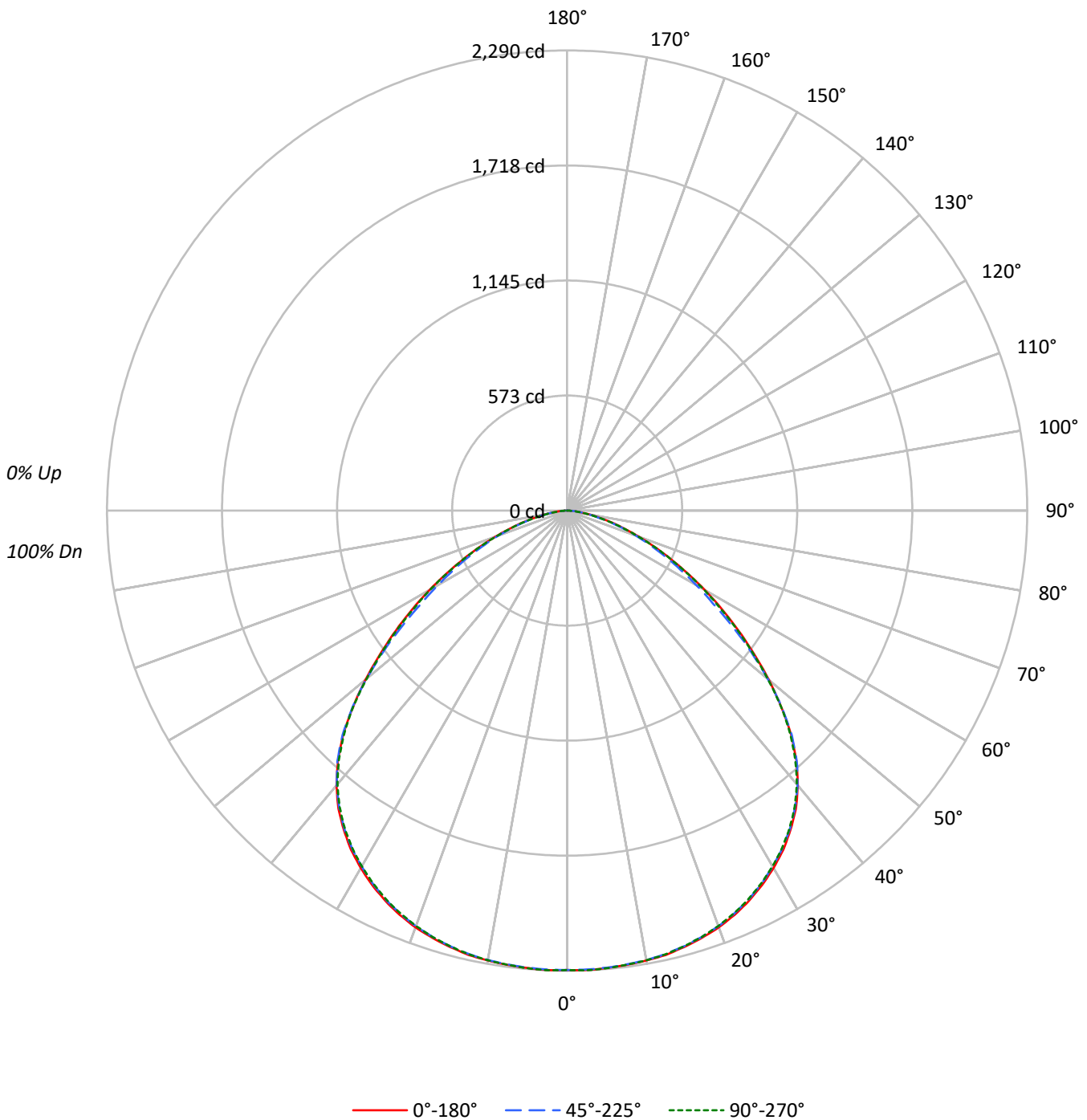
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6003.0 lumens
Efficiency: N/A
Efficacy: 112.0 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°	6153	6153	6153
5°	6173	6167	6175
10°	6213	6205	6209
15°	6264	6254	6254
20°	6321	6303	6299
25°	6361	6342	6336
30°	6382	6356	6351
35°	6369	6350	6339
40°	6274	6266	6247
45°	5998	6016	5971
50°	5490	5461	5455
55°	4879	4707	4846
60°	4254	3996	4228
65°	3606	3412	3588
70°	2982	2859	2954
75°	2411	2257	2315
80°	1742	1688	1677
85°	1136	1136	1093



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.6	3.6
10°-20°	634.5	10.6
20°-30°	984.6	16.4
30°-40°	1207.4	20.1
40°-50°	1207.0	20.1
50°-60°	914.3	15.2
60°-70°	548.3	9.1
70°-80°	241.4	4.0
80°-90°	47.9	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°	1836.7	30.6
0°-40°	3044.1	50.7
0°-60°	5165.3	86.0
0°-90°	6003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2286	2286	2286	2286	2286	
5°	2285	2282	2283	2282	2286	218
15°	2248	2246	2245	2243	2245	636
25°	2142	2138	2136	2132	2134	988
35°	1939	1938	1933	1932	1930	1211
45°	1576	1578	1581	1577	1569	1206
55°	1040	1017	1003	1017	1033	932
65°	566	546	536	545	564	566
75°	232	227	217	221	223	247
85°	37	38	37	35	35	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2286.5	2286.5	2286.5	2286.5	2286.5
2.5°	2288.7	2285.1	2285.8	2285.8	2290.1
5°	2285.1	2282.3	2283.0	2282.3	2285.8
7.5°	2280.2	2277.3	2278.1	2277.3	2279.5
10°	2273.8	2271.0	2271.0	2269.6	2272.4
12.5°	2265.3	2261.8	2260.4	2259.7	2261.8
15°	2248.4	2246.2	2244.8	2243.4	2244.8
17.5°	2230.0	2226.4	2225.0	2222.2	2225.0
20°	2207.3	2202.4	2201.0	2198.9	2199.6
22.5°	2177.7	2173.4	2171.3	2167.8	2169.2
25°	2142.3	2138.1	2135.9	2132.4	2133.8
27.5°	2101.3	2098.5	2093.5	2090.7	2091.4
30°	2053.9	2051.1	2045.4	2044.0	2044.0
32.5°	2001.6	1998.1	1993.1	1991.7	1991.0
35°	1938.7	1938.0	1933.0	1931.6	1929.5
37.5°	1870.1	1868.7	1863.0	1861.6	1859.5
40°	1786.0	1784.5	1783.8	1781.0	1778.2
42.5°	1688.4	1690.5	1691.9	1686.3	1680.6
45°	1576.0	1578.1	1580.9	1576.7	1568.9
47.5°	1444.5	1452.9	1448.7	1451.5	1443.8
50°	1311.5	1311.5	1304.5	1307.3	1303.1
52.5°	1172.3	1160.9	1152.5	1158.1	1163.8
55°	1040.0	1017.4	1003.3	1016.7	1033.0
57.5°	913.5	886.6	860.5	881.7	901.5
60°	790.5	759.4	742.4	757.9	785.5
62.5°	673.8	651.2	634.2	646.2	669.6
65°	566.3	546.5	535.9	545.1	563.5
67.5°	468.1	454.6	444.0	451.8	465.9
70°	379.0	375.4	363.4	366.9	375.4
72.5°	297.7	297.0	286.3	289.2	294.1
75°	231.9	227.0	217.1	220.6	222.7
77.5°	164.0	166.2	157.0	159.1	159.1
80°	112.4	116.0	108.9	107.5	108.2
82.5°	71.4	71.4	70.7	70.0	67.9
85°	36.8	38.2	36.8	35.4	35.4
87.5°	14.1	14.1	14.1	13.4	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)