

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: P412759

Luminaire Tested: **22PD-55-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412759
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-55-PP3-L835
Description: 5500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

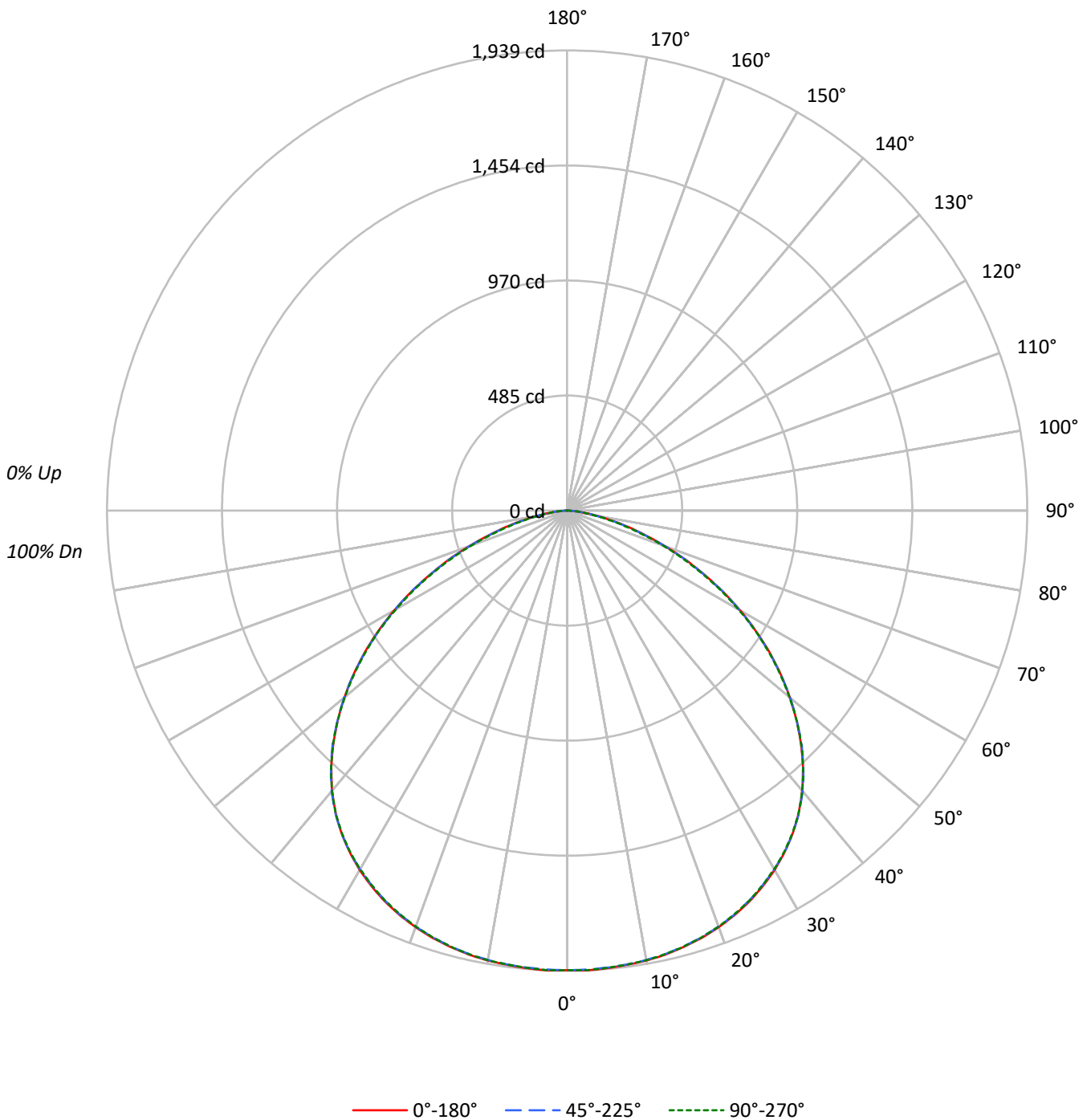
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5557.0 lumens
Efficiency: N/A
Efficacy: 120.3 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): 46.2
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	51	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°	5212	5212	5212
5°	5229	5222	5225
10°	5261	5253	5257
15°	5302	5297	5297
20°	5348	5343	5341
25°	5396	5386	5386
30°	5434	5423	5422
35°	5449	5449	5443
40°	5414	5425	5414
45°	5306	5321	5313
50°	5128	5136	5123
55°	4882	4870	4860
60°	4532	4521	4486
65°	4048	4044	3998
70°	3460	3440	3364
75°	2756	2676	2595
80°	1965	1925	1824
85°	1278	1278	1238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.2	3.3
10°-20°	537.3	9.7
20°-30°	836.6	15.1
30°-40°	1035.4	18.6
40°-50°	1073.7	19.3
50°-60°	925.5	16.7
60°-70°	629.2	11.3
70°-80°	281.6	5.1
80°-90°	53.6	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°	1558.1	28.0
0°-40°	2593.5	46.7
0°-60°	4592.7	82.6
0°-90°	5557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5557.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1937	1937	1937	1937	1937	
5°	1936	1932	1933	1932	1934	184
15°	1903	1900	1901	1900	1901	538
25°	1817	1815	1814	1813	1814	838
35°	1659	1657	1659	1656	1657	1036
45°	1394	1393	1398	1395	1396	1073
55°	1040	1037	1038	1036	1036	928
65°	636	641	635	633	628	631
75°	265	266	257	256	250	285
85°	41	43	41	40	40	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1936.9	1936.9	1936.9	1936.9	1936.9
2.5°	1939.4	1935.6	1935.6	1936.2	1938.2
5°	1935.6	1931.7	1933.0	1932.3	1934.3
7.5°	1930.4	1927.2	1929.1	1927.8	1929.1
10°	1925.2	1922.0	1922.6	1922.0	1923.9
12.5°	1916.2	1912.3	1913.6	1913.6	1914.2
15°	1903.2	1900.0	1901.3	1900.0	1901.3
17.5°	1887.7	1883.8	1884.5	1883.8	1885.1
20°	1867.7	1865.1	1865.7	1864.4	1865.1
22.5°	1845.0	1841.8	1842.4	1841.2	1841.2
25°	1817.2	1814.6	1814.0	1813.3	1814.0
27.5°	1784.9	1781.7	1781.7	1781.0	1781.0
30°	1748.7	1745.4	1745.4	1744.8	1744.8
32.5°	1706.0	1704.7	1705.3	1704.1	1703.4
35°	1658.8	1656.8	1658.8	1656.2	1656.8
37.5°	1603.8	1601.2	1605.1	1602.5	1603.2
40°	1541.1	1539.8	1544.3	1542.4	1541.1
42.5°	1471.2	1471.2	1473.2	1473.8	1472.5
45°	1394.3	1393.0	1398.2	1394.9	1396.2
47.5°	1311.5	1309.6	1313.4	1312.8	1312.2
50°	1224.8	1223.6	1226.8	1223.6	1223.6
52.5°	1135.0	1134.3	1135.0	1131.7	1131.1
55°	1040.5	1036.7	1038.0	1036.0	1036.0
57.5°	942.2	937.7	938.4	937.7	938.4
60°	842.0	840.7	840.1	836.8	833.6
62.5°	739.2	740.5	739.8	735.3	732.1
65°	635.7	640.9	635.1	633.1	627.9
67.5°	538.1	540.0	536.1	531.6	525.8
70°	439.8	443.6	437.2	432.6	427.5
72.5°	346.0	348.6	342.8	340.2	333.7
75°	265.1	265.8	257.4	256.1	249.6
77.5°	188.8	191.4	185.0	185.0	178.5
80°	126.8	131.3	124.2	122.2	117.7
82.5°	79.5	80.2	78.3	76.3	74.4
85°	41.4	42.7	41.4	40.1	40.1
87.5°	15.5	16.2	15.5	14.9	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)