

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: P412782

Luminaire Tested: **22PD-65-PP3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412782
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-L935
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

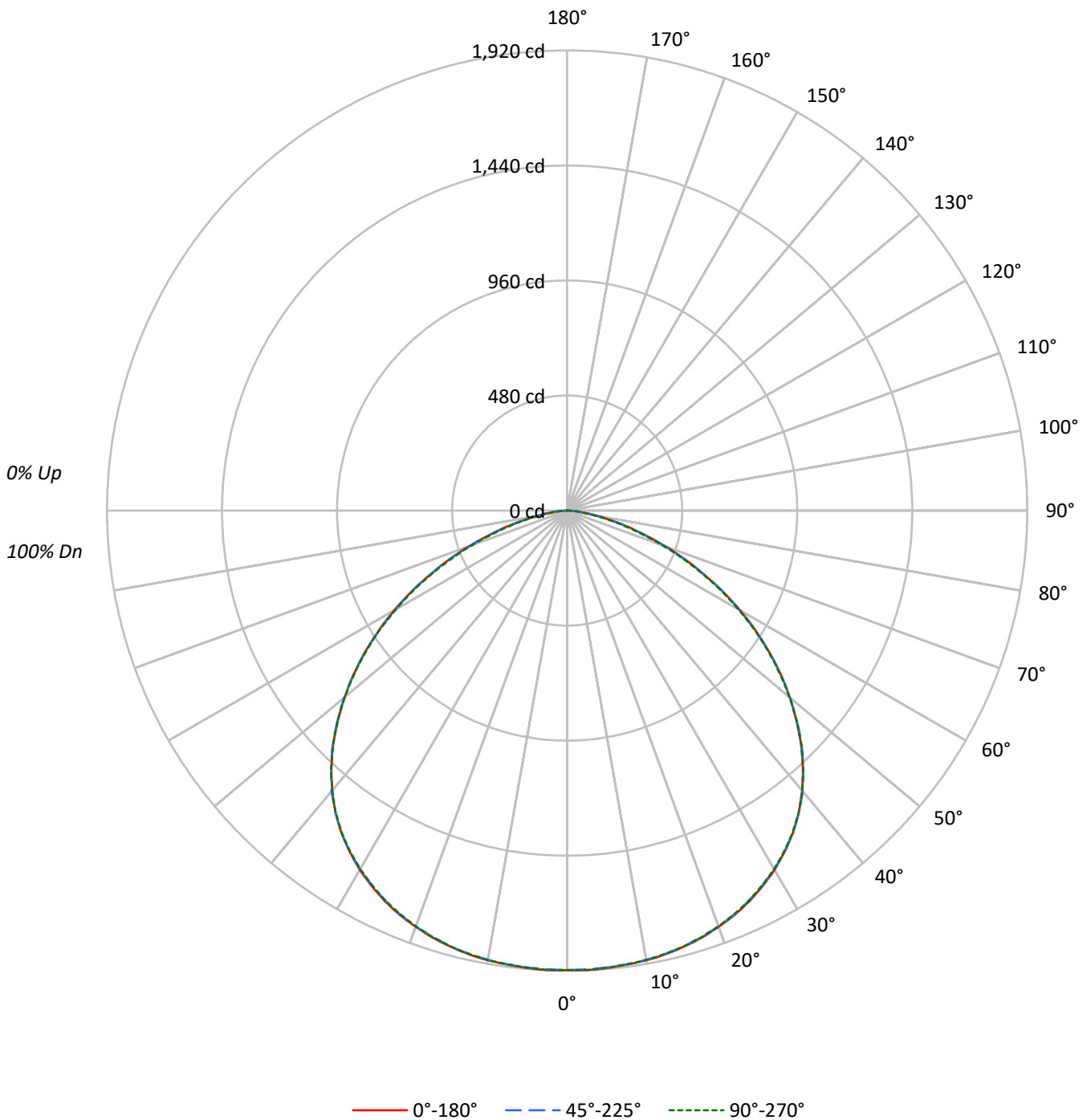
Lumens per Lamp: N/A
Luminaire Lumens: 5500.0 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	5159	5159	5159
5°	5175	5168	5171
10°	5207	5200	5203
15°	5248	5243	5243
20°	5294	5288	5286
25°	5340	5331	5331
30°	5378	5368	5366
35°	5393	5393	5387
40°	5358	5369	5358
45°	5252	5266	5259
50°	5075	5083	5070
55°	4832	4820	4811
60°	4485	4475	4440
65°	4006	4002	3957
70°	3424	3404	3329
75°	2728	2648	2569
80°	1945	1905	1805
85°	1266	1266	1226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.3	3.3
10°-20°	531.8	9.7
20°-30°	828.0	15.1
30°-40°	1024.8	18.6
40°-50°	1062.7	19.3
50°-60°	916.0	16.7
60°-70°	622.7	11.3
70°-80°	278.7	5.1
80°-90°	53.1	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°	1542.1	28.0
0°-40°	2566.9	46.7
0°-60°	4545.5	82.6
0°-90°	5500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1917	1917	1917	1917	1917	
5°	1916	1912	1913	1912	1914	183
15°	1884	1880	1882	1880	1882	532
25°	1799	1796	1795	1795	1795	829
35°	1642	1640	1642	1639	1640	1026
45°	1380	1379	1384	1381	1382	1062
55°	1030	1026	1027	1025	1025	918
65°	629	634	628	627	622	625
75°	262	263	255	254	247	282
85°	41	42	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°	1917.0	1917.0	1917.0	1917.0	1917.0
2.5°	1919.6	1915.7	1915.7	1916.4	1918.3
5°	1915.7	1911.9	1913.2	1912.5	1914.4
7.5°	1910.6	1907.4	1909.3	1908.0	1909.3
10°	1905.5	1902.3	1902.9	1902.3	1904.2
12.5°	1896.5	1892.7	1894.0	1894.0	1894.6
15°	1883.7	1880.5	1881.8	1880.5	1881.8
17.5°	1868.4	1864.5	1865.2	1864.5	1865.8
20°	1848.5	1845.9	1846.6	1845.3	1845.9
22.5°	1826.1	1822.9	1823.5	1822.3	1822.3
25°	1798.6	1796.0	1795.4	1794.7	1795.4
27.5°	1766.6	1763.4	1763.4	1762.7	1762.7
30°	1730.7	1727.5	1727.5	1726.9	1726.9
32.5°	1688.5	1687.2	1687.9	1686.6	1685.9
35°	1641.8	1639.8	1641.8	1639.2	1639.8
37.5°	1587.4	1584.8	1588.6	1586.1	1586.7
40°	1525.3	1524.0	1528.5	1526.6	1525.3
42.5°	1456.1	1456.1	1458.1	1458.7	1457.4
45°	1380.0	1378.7	1383.8	1380.6	1381.9
47.5°	1298.1	1296.1	1300.0	1299.3	1298.7
50°	1212.3	1211.0	1214.2	1211.0	1211.0
52.5°	1123.3	1122.7	1123.3	1120.1	1119.5
55°	1029.9	1026.0	1027.3	1025.4	1025.4
57.5°	932.6	928.1	928.7	928.1	928.7
60°	833.4	832.1	831.4	828.2	825.0
62.5°	731.6	732.9	732.2	727.8	724.6
65°	629.2	634.3	628.5	626.6	621.5
67.5°	532.5	534.5	530.6	526.1	520.4
70°	435.2	439.1	432.7	428.2	423.1
72.5°	342.4	345.0	339.2	336.7	330.3
75°	262.4	263.1	254.7	253.5	247.1
77.5°	186.9	189.5	183.1	183.1	176.7
80°	125.5	129.9	122.9	121.0	116.5
82.5°	78.7	79.4	77.4	75.5	73.6
85°	41.0	42.2	41.0	39.7	39.7
87.5°	15.4	16.0	15.4	14.7	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)