

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: P413125

Luminaire Tested: **22PD-65-PC3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-65-PC3-L940
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

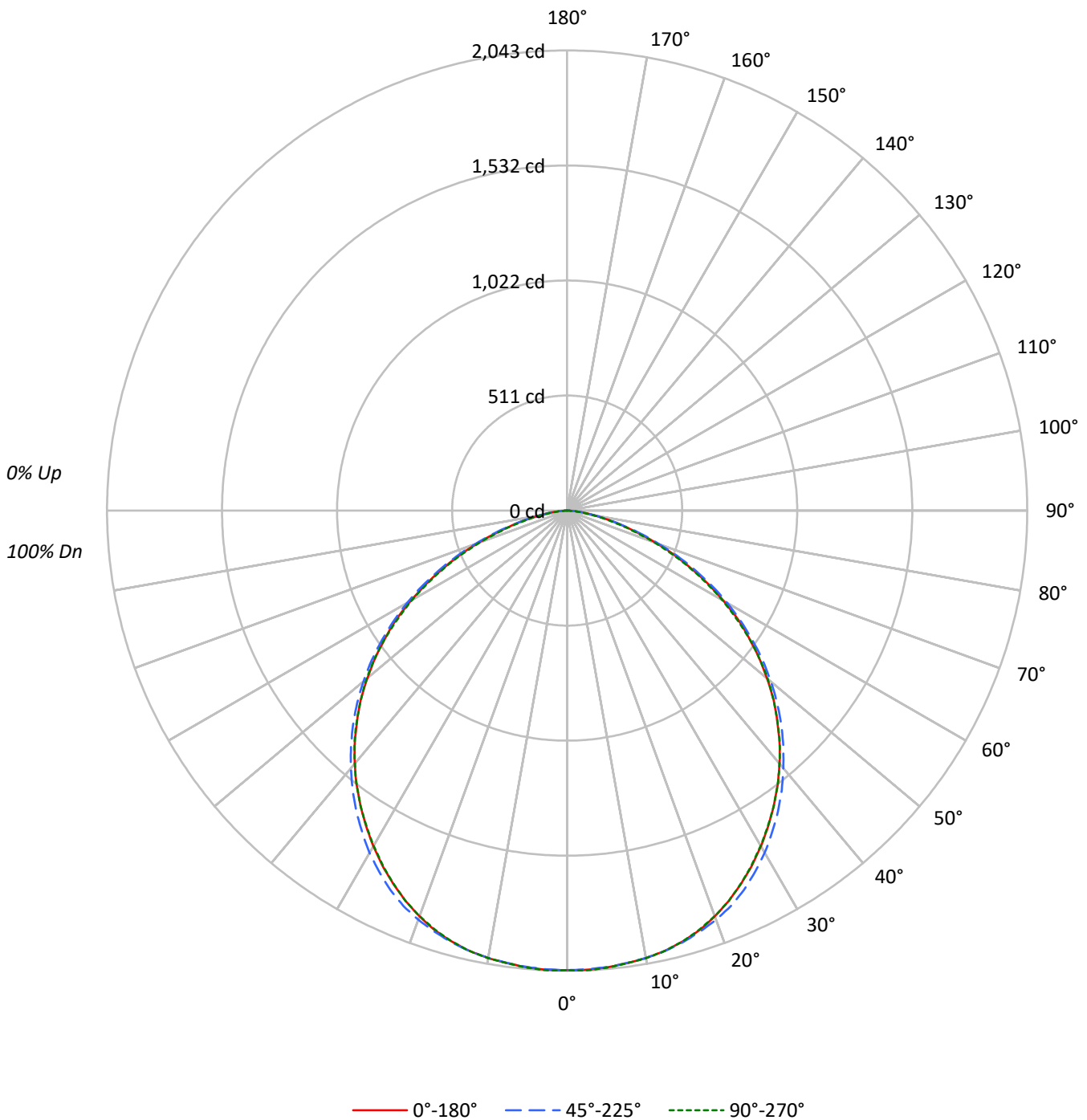
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5482.0 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5491	5491	5491
5°	5498	5495	5502
10°	5512	5510	5512
15°	5519	5526	5517
20°	5491	5535	5487
25°	5427	5516	5423
30°	5346	5451	5338
35°	5254	5358	5254
40°	5155	5246	5155
45°	5019	5118	5026
50°	4847	4942	4866
55°	4623	4714	4623
60°	4310	4419	4282
65°	3868	4004	3819
70°	3309	3426	3212
75°	2625	2699	2490
80°	1881	1951	1790
85°	1241	1281	1161



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.6	3.5
10°-20°	559.2	10.2
20°-30°	848.5	15.5
30°-40°	1013.3	18.5
40°-50°	1030.5	18.8
50°-60°	891.3	16.3
60°-70°	613.3	11.2
70°-80°	278.3	5.1
80°-90°	53.9	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°	1601.3	29.2
0°-40°	2614.6	47.7
0°-60°	4536.4	82.8
0°-90°	5482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5482.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2041	2041	2041	2041	2041	
5°	2035	2034	2034	2034	2037	194
15°	1981	1982	1984	1980	1980	559
25°	1828	1844	1858	1841	1826	842
35°	1599	1628	1631	1625	1599	1000
45°	1319	1343	1345	1344	1321	1017
55°	985	1002	1005	1003	985	880
65°	608	624	629	624	600	603
75°	252	262	260	257	240	272
85°	40	43	42	40	38	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2040.6	2040.6	2040.6	2040.6	2040.6
2.5°	2040.6	2038.0	2038.7	2039.3	2043.2
5°	2035.4	2033.5	2034.1	2034.1	2036.7
7.5°	2027.0	2026.3	2026.3	2025.7	2027.6
10°	2017.2	2015.9	2016.6	2015.9	2017.2
12.5°	2002.3	2002.3	2003.0	2001.0	2002.3
15°	1980.9	1982.2	1983.5	1980.2	1980.2
17.5°	1953.6	1956.9	1960.1	1954.3	1951.0
20°	1917.3	1925.1	1932.9	1923.8	1916.0
22.5°	1875.1	1888.1	1899.8	1885.5	1875.1
25°	1827.7	1843.9	1857.6	1840.7	1826.4
27.5°	1776.4	1794.6	1807.6	1793.3	1773.9
30°	1720.6	1742.7	1754.4	1740.8	1718.0
32.5°	1660.9	1686.9	1694.0	1685.6	1659.6
35°	1599.3	1627.8	1631.1	1625.2	1599.3
37.5°	1535.0	1562.3	1564.9	1561.6	1535.0
40°	1467.5	1492.8	1493.5	1493.5	1467.5
42.5°	1395.5	1420.1	1420.1	1419.5	1397.4
45°	1318.9	1342.9	1344.8	1343.5	1320.8
47.5°	1242.9	1261.1	1264.3	1261.8	1241.6
50°	1157.9	1176.7	1180.6	1178.0	1162.4
52.5°	1073.5	1091.1	1094.9	1093.0	1075.5
55°	985.3	1002.1	1004.7	1002.8	985.3
57.5°	900.2	911.3	913.9	910.0	887.9
60°	800.9	816.5	821.0	816.5	795.7
62.5°	704.9	721.7	725.6	719.1	697.1
65°	607.5	624.4	628.9	623.7	599.7
67.5°	515.3	527.7	531.6	525.7	503.7
70°	420.6	436.2	435.5	427.7	408.3
72.5°	327.1	348.5	344.6	340.1	318.7
75°	252.5	262.2	259.6	257.0	239.5
77.5°	180.4	192.1	185.6	186.3	171.3
80°	121.4	132.4	125.9	123.3	115.5
82.5°	77.2	81.8	80.5	79.2	72.0
85°	40.2	42.8	41.5	40.2	37.6
87.5°	15.6	16.9	15.6	15.6	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)