

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: P412784

Luminaire Tested: **22PD-65-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412784
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-L950
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

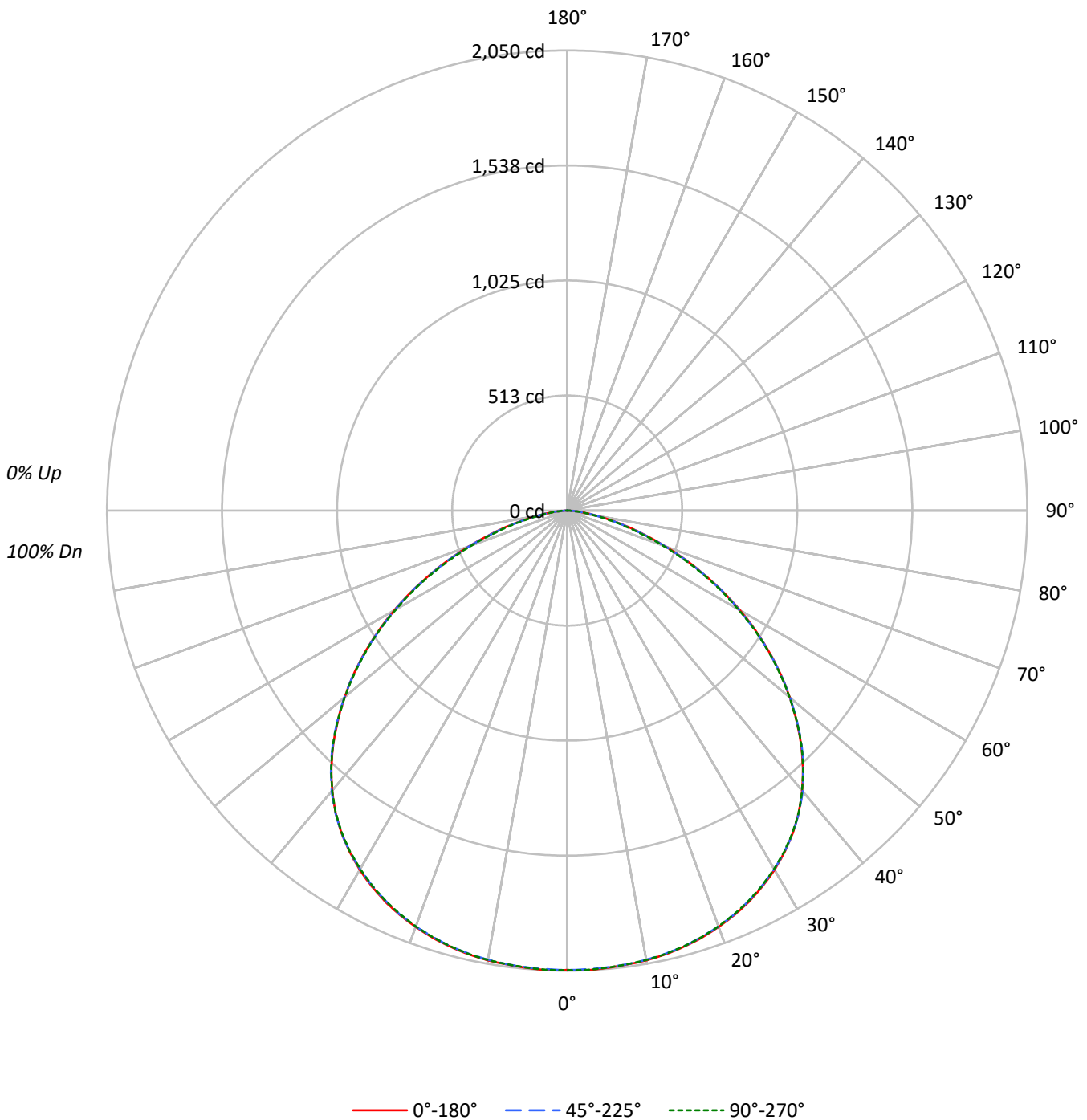
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5873.0 lumens
Efficiency: N/A
Efficacy: 101.4 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

TEST NUMBER: P412784
CATALOG NUMBER: 22PD-65-PP3-L950

Luminous Intensity Polar Plot





TEST NUMBER: P412784

CATALOG NUMBER: 22PD-65-PP3-L950

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°	5508	5508	5508
5°	5526	5518	5522
10°	5560	5552	5556
15°	5604	5598	5598
20°	5653	5647	5645
25°	5703	5692	5692
30°	5743	5732	5730
35°	5759	5759	5753
40°	5721	5733	5721
45°	5608	5624	5616
50°	5419	5428	5413
55°	5159	5147	5137
60°	4789	4778	4742
65°	4278	4274	4226
70°	3657	3635	3555
75°	2913	2828	2743
80°	2077	2033	1928
85°	1349	1349	1309



TEST NUMBER: P412784

CATALOG NUMBER: 22PD-65-PP3-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.7	3.3
10°-20°	567.8	9.7
20°-30°	884.2	15.1
30°-40°	1094.3	18.6
40°-50°	1134.7	19.3
50°-60°	978.1	16.7
60°-70°	665.0	11.3
70°-80°	297.6	5.1
80°-90°	56.7	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°	1646.7	28.0
0°-40°	2741.0	46.7
0°-60°	4853.8	82.6
0°-90°	5873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5873.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2047	2047	2047	2047	2047	
5°	2046	2042	2043	2042	2044	195
15°	2012	2008	2009	2008	2009	569
25°	1921	1918	1917	1916	1917	886
35°	1753	1751	1753	1750	1751	1095
45°	1474	1472	1478	1474	1476	1134
55°	1100	1096	1097	1095	1095	981
65°	672	677	671	669	664	667
75°	280	281	272	271	264	302
85°	44	45	44	42	42	57
90°	0	0	0	0	0	



TEST NUMBER: P412784

CATALOG NUMBER: 22PD-65-PP3-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2047.0	2047.0	2047.0	2047.0	2047.0
2.5°	2049.7	2045.6	2045.6	2046.3	2048.4
5°	2045.6	2041.5	2042.9	2042.2	2044.3
7.5°	2040.2	2036.8	2038.8	2037.4	2038.8
10°	2034.7	2031.3	2032.0	2031.3	2033.3
12.5°	2025.1	2021.0	2022.4	2022.4	2023.1
15°	2011.5	2008.0	2009.4	2008.0	2009.4
17.5°	1995.1	1991.0	1991.6	1991.0	1992.3
20°	1973.9	1971.1	1971.8	1970.5	1971.1
22.5°	1949.9	1946.5	1947.2	1945.8	1945.8
25°	1920.6	1917.8	1917.1	1916.5	1917.1
27.5°	1886.4	1883.0	1883.0	1882.3	1882.3
30°	1848.1	1844.7	1844.7	1844.0	1844.0
32.5°	1803.0	1801.6	1802.3	1801.0	1800.3
35°	1753.1	1751.1	1753.1	1750.4	1751.1
37.5°	1695.0	1692.3	1696.4	1693.6	1694.3
40°	1628.7	1627.3	1632.1	1630.1	1628.7
42.5°	1554.9	1554.9	1557.0	1557.6	1556.3
45°	1473.6	1472.2	1477.7	1474.3	1475.6
47.5°	1386.1	1384.0	1388.1	1387.5	1386.8
50°	1294.5	1293.1	1296.5	1293.1	1293.1
52.5°	1199.5	1198.8	1199.5	1196.1	1195.4
55°	1099.7	1095.6	1097.0	1094.9	1094.9
57.5°	995.8	991.0	991.7	991.0	991.7
60°	889.9	888.5	887.8	884.4	881.0
62.5°	781.2	782.6	781.9	777.1	773.7
65°	671.9	677.3	671.2	669.1	663.7
67.5°	568.6	570.7	566.6	561.8	555.7
70°	464.8	468.9	462.0	457.2	451.8
72.5°	365.7	368.4	362.2	359.5	352.7
75°	280.2	280.9	272.0	270.7	263.8
77.5°	199.6	202.3	195.5	195.5	188.6
80°	134.0	138.7	131.2	129.2	124.4
82.5°	84.1	84.8	82.7	80.6	78.6
85°	43.7	45.1	43.7	42.4	42.4
87.5°	16.4	17.1	16.4	15.7	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)