

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: P413123

Luminaire Tested: **22PD-65-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413123
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-L930
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

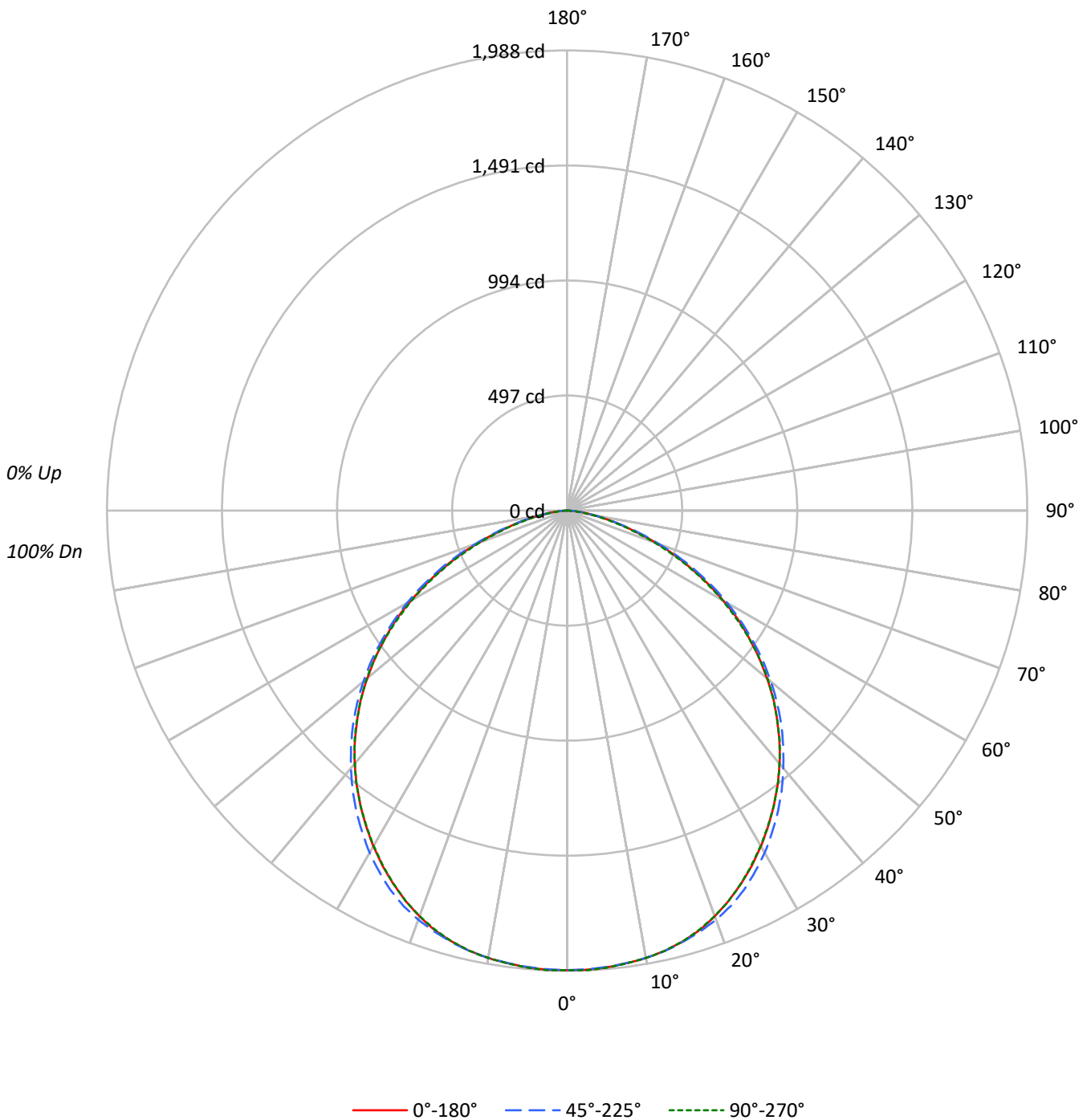
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5334.0 lumens
Efficiency: N/A
Efficacy: 92.1 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 (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

TEST NUMBER: P413123
CATALOG NUMBER: 22PD-65-PC3-L930

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°	5343	5343	5343
5°	5350	5346	5353
10°	5363	5362	5363
15°	5370	5377	5368
20°	5342	5386	5339
25°	5280	5366	5277
30°	5202	5304	5194
35°	5112	5213	5112
40°	5016	5104	5016
45°	4884	4980	4891
50°	4716	4809	4735
55°	4498	4586	4498
60°	4194	4300	4167
65°	3764	3896	3715
70°	3220	3334	3125
75°	2555	2626	2423
80°	1830	1898	1742
85°	1210	1247	1130



TEST NUMBER: P413123

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.4	3.5
10°-20°	544.1	10.2
20°-30°	825.6	15.5
30°-40°	985.9	18.5
40°-50°	1002.7	18.8
50°-60°	867.3	16.3
60°-70°	596.8	11.2
70°-80°	270.8	5.1
80°-90°	52.4	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	29.2
0°-40°	2544.0	47.7
0°-60°	4414.0	82.8
0°-90°	5334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5334.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1986	1986	1986	1986	1986	
5°	1980	1979	1979	1979	1982	188
15°	1927	1929	1930	1927	1927	544
25°	1778	1794	1807	1791	1777	819
35°	1556	1584	1587	1581	1556	973
45°	1283	1307	1308	1307	1285	990
55°	959	975	978	976	959	857
65°	591	608	612	607	584	586
75°	246	255	253	250	233	264
85°	39	42	40	39	37	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1985.5	1985.5	1985.5	1985.5	1985.5
2.5°	1985.5	1983.0	1983.6	1984.3	1988.0
5°	1980.5	1978.6	1979.2	1979.2	1981.7
7.5°	1972.3	1971.6	1971.6	1971.0	1972.9
10°	1962.8	1961.5	1962.2	1961.5	1962.8
12.5°	1948.3	1948.3	1948.9	1947.0	1948.3
15°	1927.4	1928.7	1929.9	1926.8	1926.8
17.5°	1900.9	1904.1	1907.2	1901.5	1898.4
20°	1865.5	1873.1	1880.7	1871.8	1864.3
22.5°	1824.5	1837.1	1848.5	1834.6	1824.5
25°	1778.4	1794.2	1807.4	1791.0	1777.1
27.5°	1728.5	1746.2	1758.8	1744.9	1726.0
30°	1674.2	1695.6	1707.0	1693.8	1671.7
32.5°	1616.1	1641.3	1648.3	1640.1	1614.8
35°	1556.1	1583.9	1587.0	1581.3	1556.1
37.5°	1493.6	1520.1	1522.6	1519.5	1493.6
40°	1427.9	1452.5	1453.1	1453.1	1427.9
42.5°	1357.8	1381.8	1381.8	1381.1	1359.7
45°	1283.3	1306.6	1308.5	1307.3	1285.2
47.5°	1209.4	1227.1	1230.2	1227.7	1208.1
50°	1126.6	1145.0	1148.7	1146.2	1131.1
52.5°	1044.5	1061.6	1065.4	1063.5	1046.4
55°	958.7	975.1	977.6	975.7	958.7
57.5°	875.9	886.7	889.2	885.4	863.9
60°	779.3	794.5	798.9	794.5	774.3
62.5°	685.8	702.3	706.0	699.7	678.3
65°	591.1	607.5	611.9	606.9	583.5
67.5°	501.4	513.4	517.2	511.5	490.1
70°	409.2	424.4	423.8	416.2	397.2
72.5°	318.3	339.1	335.3	330.9	310.1
75°	245.7	255.1	252.6	250.1	233.0
77.5°	175.6	186.9	180.6	181.2	166.7
80°	118.1	128.8	122.5	120.0	112.4
82.5°	75.2	79.6	78.3	77.0	70.1
85°	39.2	41.7	40.4	39.2	36.6
87.5°	15.2	16.4	15.2	15.2	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)