

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: P413141

Luminaire Tested: **22PD-75-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413141
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-75-PC3-L930
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

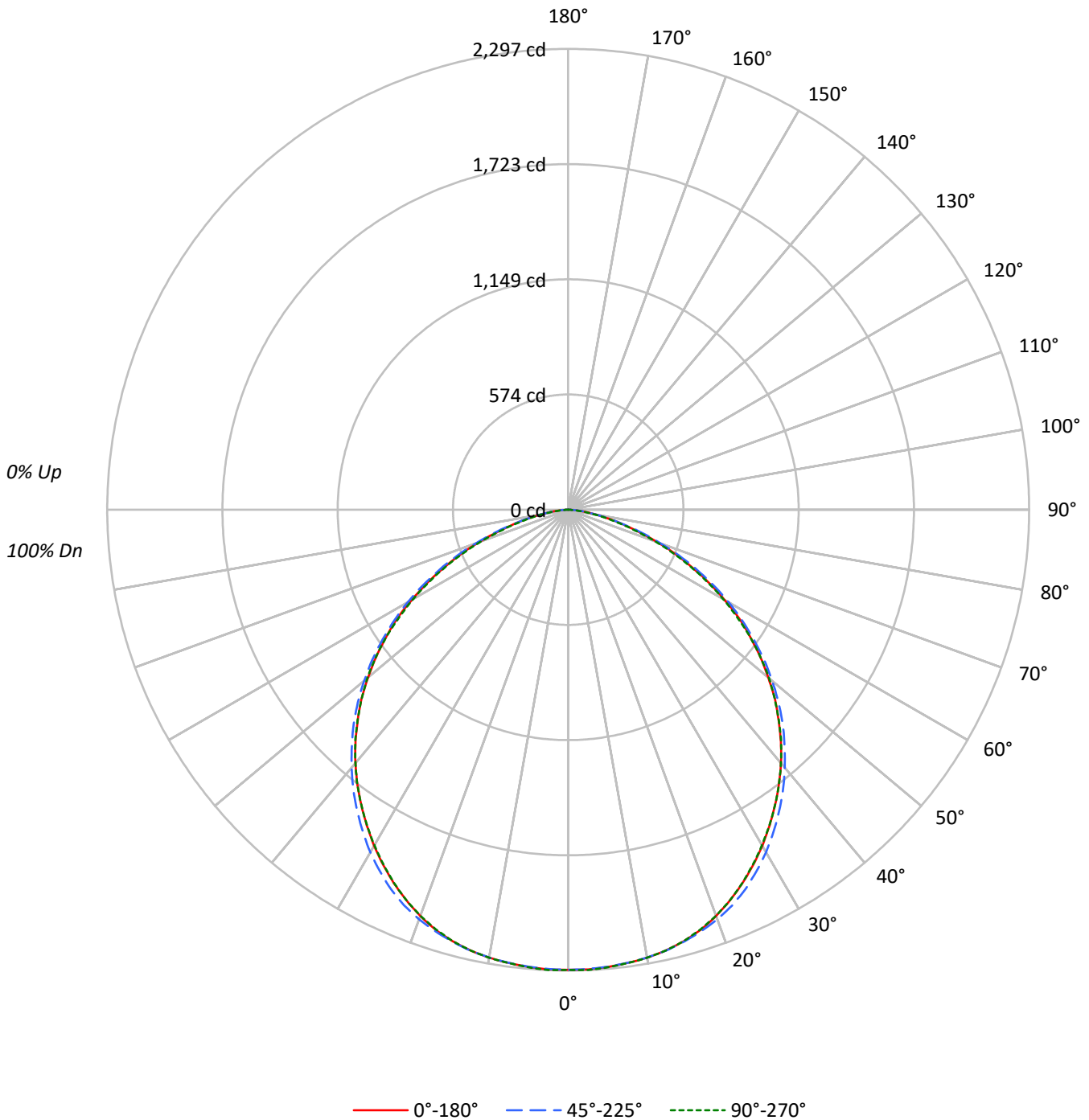
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6162.0 lumens
Efficiency: N/A
Efficacy: 91.3 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): 67.5
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: P413141
CATALOG NUMBER: 22PD-75-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°	6172	6172	6172
5°	6180	6176	6184
10°	6196	6194	6196
15°	6203	6211	6201
20°	6172	6222	6168
25°	6100	6200	6096
30°	6010	6128	6000
35°	5905	6023	5905
40°	5794	5897	5794
45°	5642	5753	5650
50°	5449	5556	5470
55°	5196	5299	5196
60°	4845	4967	4814
65°	4348	4501	4292
70°	3720	3851	3611
75°	2951	3034	2799
80°	2114	2193	2013
85°	1396	1442	1306



TEST NUMBER: P413141

CATALOG NUMBER: 22PD-75-PC3-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.6	3.5
10°-20°	628.6	10.2
20°-30°	953.7	15.5
30°-40°	1138.9	18.5
40°-50°	1158.3	18.8
50°-60°	1001.9	16.3
60°-70°	689.4	11.2
70°-80°	312.9	5.1
80°-90°	60.6	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°	1799.9	29.2
0°-40°	2938.9	47.7
0°-60°	5099.1	82.8
0°-90°	6162.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6162.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2294	2294	2294	2294	2294	
5°	2288	2286	2286	2286	2289	218
15°	2227	2228	2230	2226	2226	628
25°	2054	2073	2088	2069	2053	946
35°	1798	1830	1833	1827	1798	1124
45°	1482	1510	1512	1510	1485	1143
55°	1108	1126	1129	1127	1108	990
65°	683	702	707	701	674	678
75°	284	295	292	289	269	305
85°	45	48	47	45	42	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2293.7	2293.7	2293.7	2293.7	2293.7
2.5°	2293.7	2290.8	2291.5	2292.3	2296.7
5°	2287.9	2285.7	2286.4	2286.4	2289.4
7.5°	2278.4	2277.7	2277.7	2277.0	2279.1
10°	2267.5	2266.0	2266.7	2266.0	2267.5
12.5°	2250.7	2250.7	2251.4	2249.2	2250.7
15°	2226.6	2228.1	2229.5	2225.9	2225.9
17.5°	2196.0	2199.6	2203.3	2196.7	2193.1
20°	2155.1	2163.9	2172.6	2162.4	2153.7
22.5°	2107.7	2122.3	2135.4	2119.4	2107.7
25°	2054.4	2072.7	2088.0	2069.0	2053.0
27.5°	1996.8	2017.2	2031.8	2015.8	1993.9
30°	1934.1	1958.9	1972.0	1956.7	1931.1
32.5°	1866.9	1896.1	1904.1	1894.7	1865.5
35°	1797.6	1829.7	1833.4	1826.8	1797.6
37.5°	1725.4	1756.0	1759.0	1755.3	1725.4
40°	1649.5	1678.0	1678.7	1678.7	1649.5
42.5°	1568.6	1596.3	1596.3	1595.5	1570.7
45°	1482.5	1509.5	1511.6	1510.2	1484.7
47.5°	1397.1	1417.5	1421.2	1418.3	1395.6
50°	1301.5	1322.7	1327.1	1324.1	1306.6
52.5°	1206.7	1226.4	1230.8	1228.6	1208.9
55°	1107.5	1126.4	1129.4	1127.2	1107.5
57.5°	1011.9	1024.3	1027.2	1022.8	998.0
60°	900.3	917.8	922.9	917.8	894.4
62.5°	792.3	811.3	815.6	808.4	783.5
65°	682.9	701.8	706.9	701.1	674.1
67.5°	579.3	593.1	597.5	590.9	566.1
70°	472.8	490.3	489.5	480.8	458.9
72.5°	367.7	391.8	387.4	382.3	358.2
75°	283.8	294.7	291.8	288.9	269.2
77.5°	202.8	215.9	208.7	209.4	192.6
80°	136.4	148.8	141.5	138.6	129.9
82.5°	86.8	91.9	90.5	89.0	81.0
85°	45.2	48.2	46.7	45.2	42.3
87.5°	17.5	19.0	17.5	17.5	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)