

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: P412457

Luminaire Tested: **22PD-75-PB1-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-75-PB1-L930
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

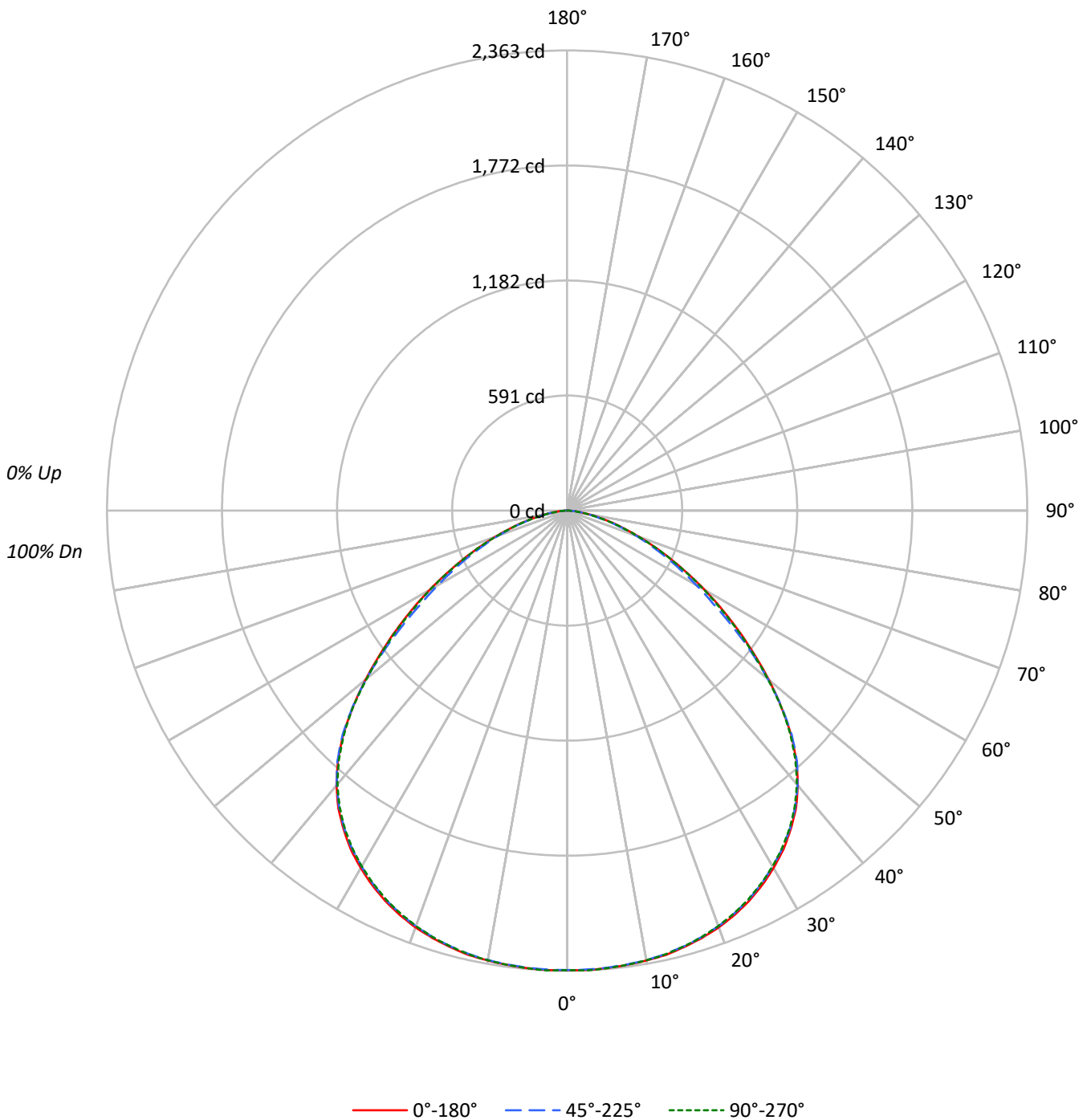
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6195.0 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
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 (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: P412457
CATALOG NUMBER: 22PD-75-PB1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P412457

CATALOG NUMBER: 22PD-75-PB1-L930

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6350	6350	6350
5°	6370	6364	6372
10°	6412	6404	6408
15°	6464	6454	6454
20°	6523	6505	6500
25°	6564	6545	6538
30°	6586	6559	6554
35°	6572	6553	6541
40°	6474	6467	6446
45°	6189	6209	6162
50°	5666	5636	5629
55°	5035	4858	5001
60°	4390	4123	4363
65°	3721	3522	3703
70°	3077	2950	3048
75°	2488	2329	2389
80°	1798	1742	1729
85°	1170	1170	1127



TEST NUMBER: P412457

CATALOG NUMBER: 22PD-75-PB1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.5	3.6
10°-20°	654.8	10.6
20°-30°	1016.1	16.4
30°-40°	1246.0	20.1
40°-50°	1245.6	20.1
50°-60°	943.5	15.2
60°-70°	565.9	9.1
70°-80°	249.2	4.0
80°-90°	49.4	0.8
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°	1895.4	30.6
0°-40°	3141.5	50.7
0°-60°	5330.6	86.0
0°-90°	6195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6195.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2360	2360	2360	2360	2360	
5°	2358	2355	2356	2355	2359	225
15°	2320	2318	2317	2315	2317	656
25°	2211	2206	2204	2201	2202	1019
35°	2001	2000	1995	1993	1991	1250
45°	1626	1629	1632	1627	1619	1245
55°	1073	1050	1035	1049	1066	962
65°	584	564	553	563	582	584
75°	239	234	224	228	230	255
85°	38	39	38	36	36	50
90°	0	0	0	0	0	



TEST NUMBER: P412457

CATALOG NUMBER: 22PD-75-PB1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2359.7	2359.7	2359.7	2359.7	2359.7
2.5°	2361.9	2358.2	2358.9	2358.9	2363.3
5°	2358.2	2355.3	2356.0	2355.3	2358.9
7.5°	2353.1	2350.2	2350.9	2350.2	2352.4
10°	2346.5	2343.6	2343.6	2342.2	2345.1
12.5°	2337.8	2334.1	2332.7	2331.9	2334.1
15°	2320.3	2318.1	2316.6	2315.2	2316.6
17.5°	2301.3	2297.6	2296.2	2293.3	2296.2
20°	2277.9	2272.8	2271.4	2269.2	2269.9
22.5°	2247.3	2242.9	2240.7	2237.1	2238.5
25°	2210.8	2206.4	2204.3	2200.6	2202.1
27.5°	2168.5	2165.6	2160.5	2157.6	2158.3
30°	2119.6	2116.7	2110.9	2109.4	2109.4
32.5°	2065.6	2062.0	2056.9	2055.4	2054.7
35°	2000.7	2000.0	1994.8	1993.4	1991.2
37.5°	1929.9	1928.4	1922.6	1921.2	1919.0
40°	1843.1	1841.6	1840.9	1838.0	1835.1
42.5°	1742.4	1744.6	1746.0	1740.2	1734.4
45°	1626.4	1628.6	1631.5	1627.1	1619.1
47.5°	1490.7	1499.4	1495.0	1498.0	1489.9
50°	1353.5	1353.5	1346.2	1349.1	1344.7
52.5°	1209.7	1198.1	1189.3	1195.2	1201.0
55°	1073.3	1050.0	1035.4	1049.2	1066.0
57.5°	942.7	915.0	888.0	909.9	930.3
60°	815.7	783.6	766.1	782.2	810.6
62.5°	695.4	672.0	654.5	666.9	691.0
65°	584.4	564.0	553.1	562.6	581.5
67.5°	483.0	469.2	458.2	466.2	480.8
70°	391.1	387.4	375.0	378.7	387.4
72.5°	307.2	306.5	295.5	298.4	303.5
75°	239.3	234.2	224.0	227.6	229.8
77.5°	169.3	171.5	162.0	164.2	164.2
80°	116.0	119.7	112.4	110.9	111.6
82.5°	73.7	73.7	73.0	72.2	70.0
85°	37.9	39.4	37.9	36.5	36.5
87.5°	14.6	14.6	14.6	13.9	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)