

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: P413132

Luminaire Tested: **22PD-70-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413132
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-70-PC3-L930
Description: 7000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

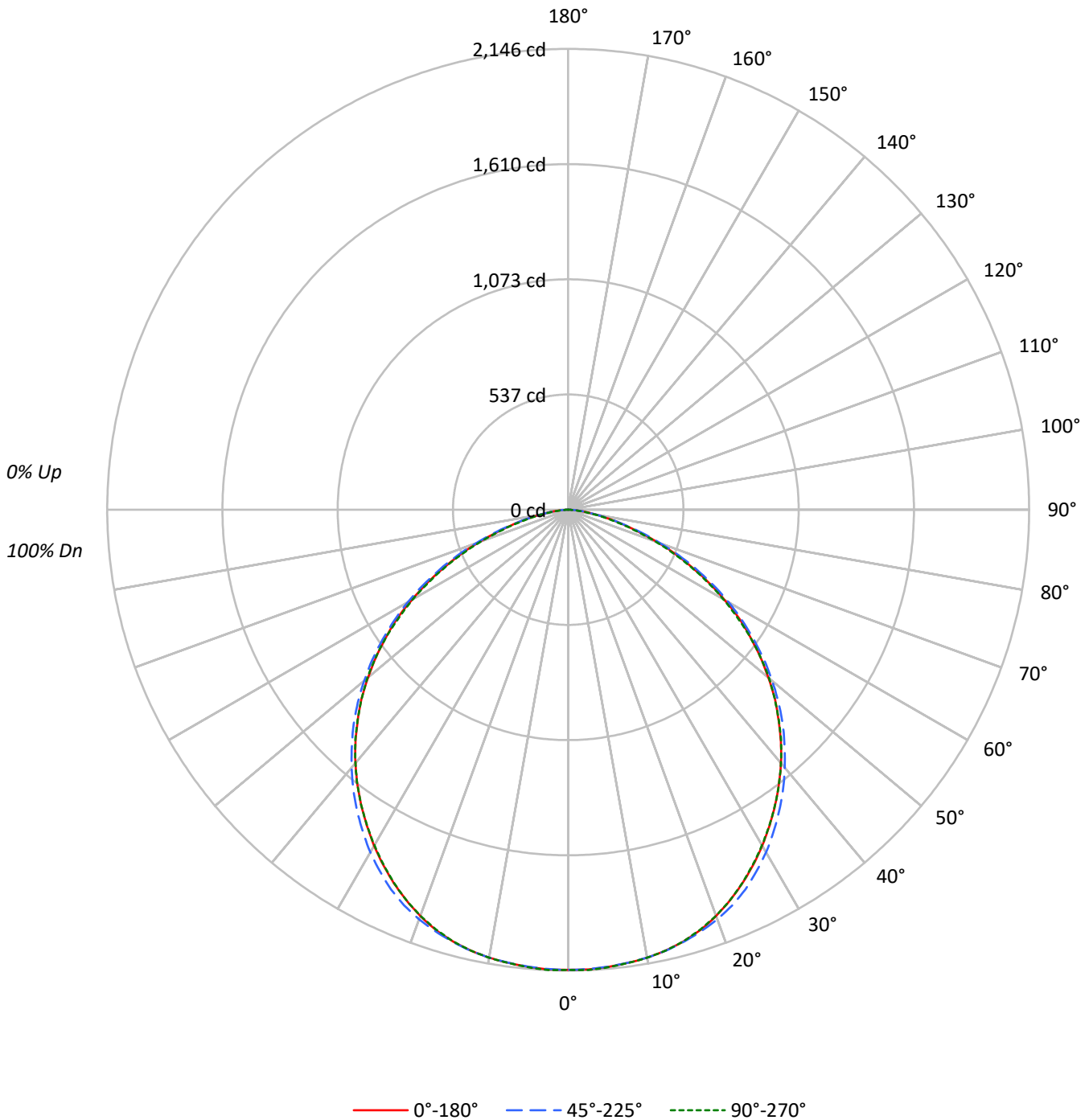
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5757.0 lumens
Efficiency: N/A
Efficacy: 91.4 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): 63
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

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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°	5767	5767	5767
5°	5774	5770	5778
10°	5789	5787	5789
15°	5796	5803	5794
20°	5766	5813	5762
25°	5699	5792	5695
30°	5615	5725	5606
35°	5517	5627	5517
40°	5414	5510	5414
45°	5271	5375	5279
50°	5091	5190	5111
55°	4854	4950	4854
60°	4527	4640	4498
65°	4062	4206	4010
70°	3475	3599	3373
75°	2756	2834	2615
80°	1976	2049	1880
85°	1306	1346	1220



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.3	3.5
10°-20°	587.3	10.2
20°-30°	891.0	15.5
30°-40°	1064.1	18.5
40°-50°	1082.2	18.8
50°-60°	936.1	16.3
60°-70°	644.1	11.2
70°-80°	292.3	5.1
80°-90°	56.6	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°	1681.6	29.2
0°-40°	2745.7	47.7
0°-60°	4764.0	82.8
0°-90°	5757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5757.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2143	2143	2143	2143	2143	
5°	2138	2136	2136	2136	2139	203
15°	2080	2082	2083	2080	2080	587
25°	1919	1936	1951	1933	1918	884
35°	1680	1710	1713	1707	1680	1051
45°	1385	1410	1412	1411	1387	1068
55°	1035	1052	1055	1053	1035	925
65°	638	656	660	655	630	633
75°	265	275	273	270	252	285
85°	42	45	44	42	40	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2143.0	2143.0	2143.0	2143.0	2143.0
2.5°	2143.0	2140.3	2140.9	2141.6	2145.7
5°	2137.5	2135.5	2136.2	2136.2	2138.9
7.5°	2128.7	2128.0	2128.0	2127.3	2129.3
10°	2118.4	2117.1	2117.8	2117.1	2118.4
12.5°	2102.8	2102.8	2103.4	2101.4	2102.8
15°	2080.3	2081.6	2083.0	2079.6	2079.6
17.5°	2051.6	2055.0	2058.5	2052.3	2048.9
20°	2013.5	2021.7	2029.8	2020.3	2012.1
22.5°	1969.2	1982.8	1995.1	1980.1	1969.2
25°	1919.4	1936.4	1950.8	1933.0	1918.0
27.5°	1865.6	1884.6	1898.3	1883.3	1862.8
30°	1806.9	1830.1	1842.4	1828.1	1804.2
32.5°	1744.2	1771.5	1779.0	1770.1	1742.9
35°	1679.5	1709.5	1712.9	1706.7	1679.5
37.5°	1612.0	1640.6	1643.4	1639.9	1612.0
40°	1541.1	1567.7	1568.4	1568.4	1541.1
42.5°	1465.5	1491.4	1491.4	1490.7	1467.5
45°	1385.0	1410.2	1412.3	1410.9	1387.1
47.5°	1305.3	1324.4	1327.8	1325.0	1303.9
50°	1216.0	1235.8	1239.8	1237.1	1220.8
52.5°	1127.4	1145.8	1149.9	1147.8	1129.4
55°	1034.7	1052.4	1055.1	1053.1	1034.7
57.5°	945.4	957.0	959.7	955.6	932.4
60°	841.1	857.5	862.2	857.5	835.7
62.5°	740.2	757.9	762.0	755.2	732.0
65°	638.0	655.7	660.5	655.0	629.8
67.5°	541.2	554.1	558.2	552.1	528.9
70°	441.7	458.0	457.4	449.2	428.7
72.5°	343.5	366.0	361.9	357.2	334.7
75°	265.1	275.4	272.6	269.9	251.5
77.5°	189.5	201.8	194.9	195.6	179.9
80°	127.5	139.0	132.2	129.5	121.3
82.5°	81.1	85.9	84.5	83.2	75.7
85°	42.3	45.0	43.6	42.3	39.5
87.5°	16.4	17.7	16.4	16.4	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)