

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: P413133

Luminaire Tested: **22PD-70-PC3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413133
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-L935
Description: 7000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

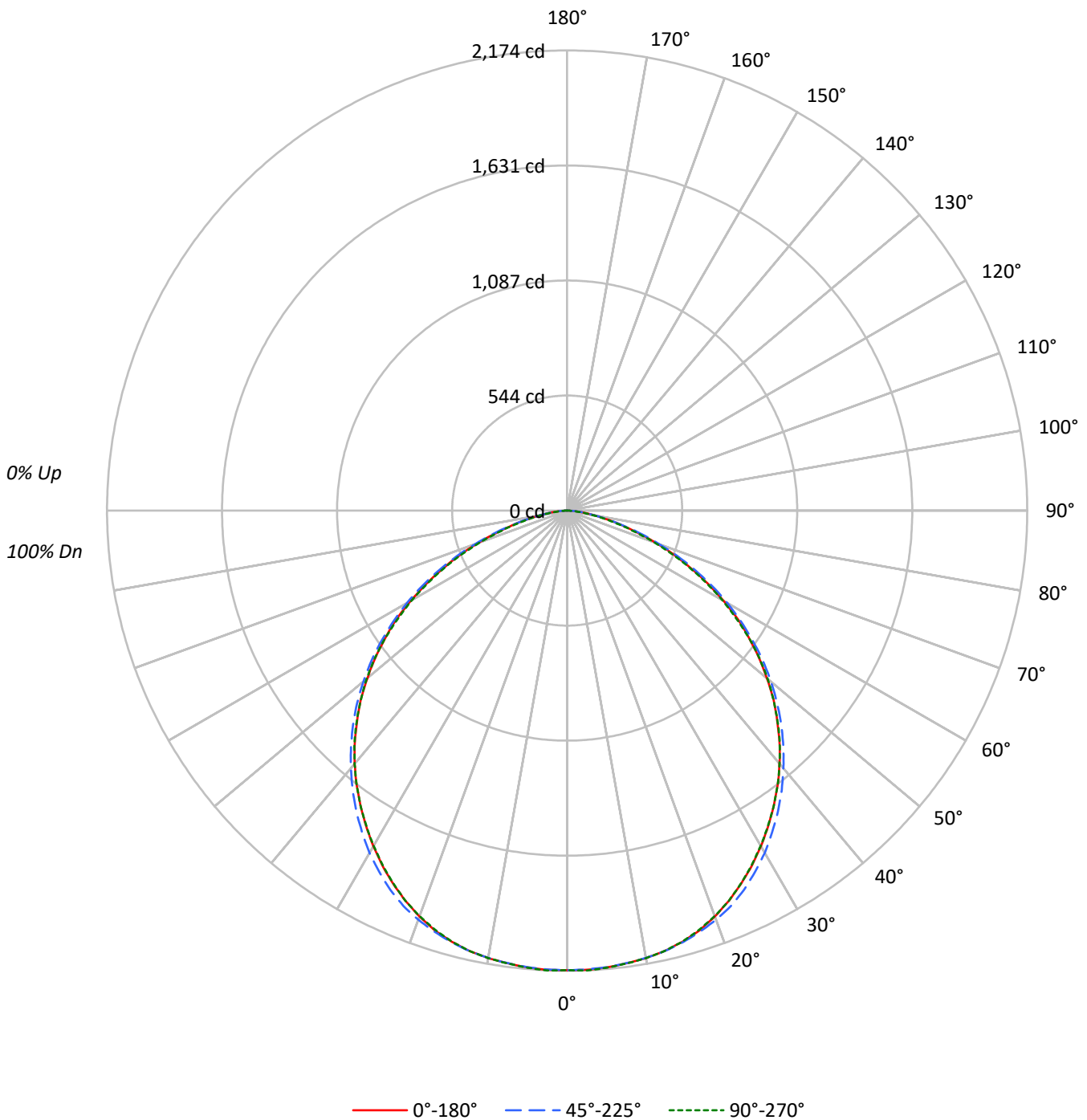
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5834.0 lumens
Efficiency: N/A
Efficacy: 92.6 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°	5844	5844	5844
5°	5851	5847	5855
10°	5866	5864	5866
15°	5873	5881	5871
20°	5843	5891	5839
25°	5775	5870	5771
30°	5690	5801	5681
35°	5591	5702	5591
40°	5486	5583	5486
45°	5342	5447	5349
50°	5159	5260	5179
55°	4919	5016	4919
60°	4588	4703	4557
65°	4117	4262	4064
70°	3522	3647	3419
75°	2794	2873	2650
80°	2002	2077	1905
85°	1321	1365	1238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.0	3.5
10°-20°	595.2	10.2
20°-30°	902.9	15.5
30°-40°	1078.3	18.5
40°-50°	1096.7	18.8
50°-60°	948.6	16.3
60°-70°	652.7	11.2
70°-80°	296.2	5.1
80°-90°	57.3	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°	1704.1	29.2
0°-40°	2782.5	47.7
0°-60°	4827.7	82.8
0°-90°	5834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2172	2172	2172	2172	2172	
5°	2166	2164	2165	2165	2168	206
15°	2108	2110	2111	2107	2107	595
25°	1945	1962	1977	1959	1944	896
35°	1702	1732	1736	1730	1702	1065
45°	1404	1429	1431	1430	1406	1082
55°	1048	1066	1069	1067	1048	937
65°	646	664	669	664	638	641
75°	269	279	276	274	255	289
85°	43	46	44	43	40	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2171.6	2171.6	2171.6	2171.6	2171.6
2.5°	2171.6	2168.9	2169.6	2170.3	2174.4
5°	2166.1	2164.0	2164.7	2164.7	2167.5
7.5°	2157.1	2156.4	2156.4	2155.8	2157.8
10°	2146.8	2145.4	2146.1	2145.4	2146.8
12.5°	2130.9	2130.9	2131.6	2129.5	2130.9
15°	2108.1	2109.5	2110.9	2107.4	2107.4
17.5°	2079.1	2082.5	2086.0	2079.8	2076.3
20°	2040.4	2048.7	2057.0	2047.3	2039.0
22.5°	1995.5	2009.3	2021.8	2006.6	1995.5
25°	1945.1	1962.3	1976.9	1958.9	1943.7
27.5°	1890.5	1909.9	1923.7	1908.5	1887.8
30°	1831.1	1854.6	1867.0	1852.5	1828.3
32.5°	1767.6	1795.2	1802.8	1793.8	1766.2
35°	1701.9	1732.3	1735.8	1729.6	1701.9
37.5°	1633.6	1662.6	1665.3	1661.9	1633.6
40°	1561.7	1588.7	1589.4	1589.4	1561.7
42.5°	1485.1	1511.3	1511.3	1510.6	1487.1
45°	1403.6	1429.1	1431.2	1429.8	1405.6
47.5°	1322.7	1342.1	1345.5	1342.8	1321.4
50°	1232.3	1252.3	1256.4	1253.7	1237.1
52.5°	1142.5	1161.1	1165.3	1163.2	1144.5
55°	1048.5	1066.5	1069.2	1067.2	1048.5
57.5°	958.0	969.8	972.5	968.4	944.9
60°	852.4	868.9	873.8	868.9	846.8
62.5°	750.1	768.1	772.2	765.3	741.8
65°	646.5	664.5	669.3	663.8	638.2
67.5°	548.4	561.6	565.7	559.5	536.0
70°	447.6	464.2	463.5	455.2	434.5
72.5°	348.1	370.9	366.8	361.9	339.1
75°	268.7	279.1	276.3	273.5	254.9
77.5°	192.0	204.5	197.5	198.2	182.4
80°	129.2	140.9	134.0	131.2	122.9
82.5°	82.2	87.0	85.6	84.3	76.7
85°	42.8	45.6	44.2	42.8	40.1
87.5°	16.6	18.0	16.6	16.6	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)