

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: P413115

Luminaire Tested: **22PD-60-PC3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413115
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-60-PC3-L935
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

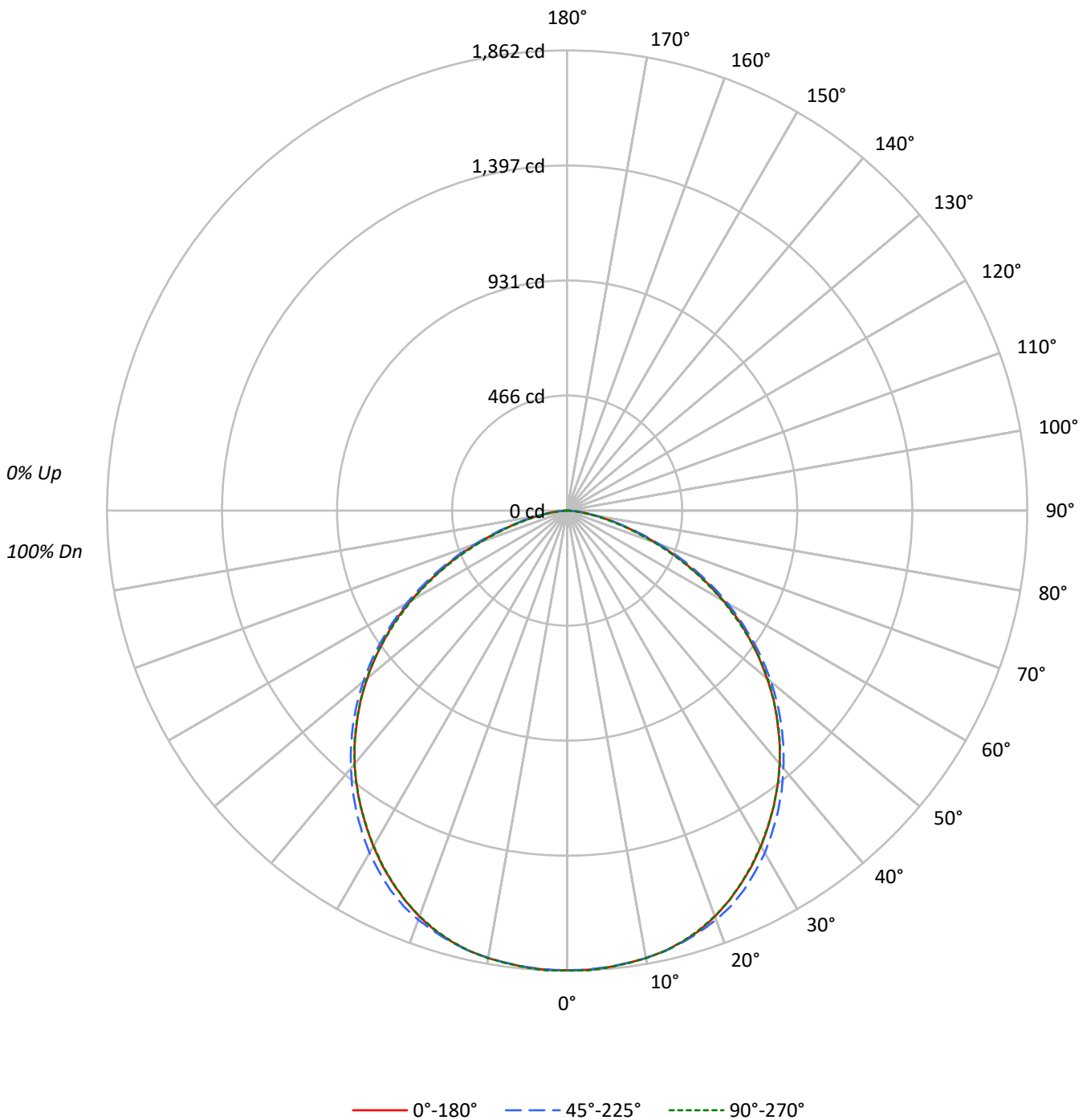
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4997.0 lumens
Efficiency: N/A
Efficacy: 93.2 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): 53.6
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°	5005	5005	5005
5°	5012	5009	5015
10°	5025	5023	5025
15°	5030	5037	5029
20°	5005	5046	5001
25°	4947	5027	4943
30°	4873	4969	4866
35°	4789	4884	4789
40°	4699	4782	4699
45°	4575	4665	4582
50°	4419	4505	4436
55°	4214	4297	4214
60°	3929	4028	3904
65°	3526	3650	3481
70°	3017	3124	2928
75°	2392	2461	2270
80°	1714	1779	1632
85°	1133	1170	1059



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.5	3.5
10°-20°	509.8	10.2
20°-30°	773.4	15.5
30°-40°	923.6	18.5
40°-50°	939.3	18.8
50°-60°	812.5	16.3
60°-70°	559.1	11.2
70°-80°	253.7	5.1
80°-90°	49.1	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°	1459.6	29.2
0°-40°	2383.3	47.7
0°-60°	4135.1	82.8
0°-90°	4997.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4997.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1860	1860	1860	1860	1860	
5°	1855	1854	1854	1854	1856	177
15°	1806	1807	1808	1805	1805	509
25°	1666	1681	1693	1678	1665	767
35°	1458	1484	1487	1481	1458	912
45°	1202	1224	1226	1225	1204	927
55°	898	914	916	914	898	802
65°	554	569	573	569	547	549
75°	230	239	237	234	218	248
85°	37	39	38	37	34	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1860.1	1860.1	1860.1	1860.1	1860.1
2.5°	1860.1	1857.7	1858.3	1858.9	1862.4
5°	1855.3	1853.6	1854.2	1854.2	1856.5
7.5°	1847.7	1847.1	1847.1	1846.5	1848.2
10°	1838.8	1837.6	1838.2	1837.6	1838.8
12.5°	1825.2	1825.2	1825.8	1824.0	1825.2
15°	1805.6	1806.8	1808.0	1805.1	1805.1
17.5°	1780.8	1783.8	1786.7	1781.4	1778.4
20°	1747.7	1754.8	1761.9	1753.6	1746.5
22.5°	1709.2	1721.0	1731.7	1718.7	1709.2
25°	1666.0	1680.8	1693.2	1677.9	1664.8
27.5°	1619.3	1635.8	1647.7	1634.7	1616.9
30°	1568.4	1588.5	1599.2	1586.7	1566.0
32.5°	1514.0	1537.6	1544.1	1536.5	1512.8
35°	1457.8	1483.8	1486.8	1481.4	1457.8
37.5°	1399.2	1424.0	1426.4	1423.5	1399.2
40°	1337.7	1360.7	1361.3	1361.3	1337.7
42.5°	1272.0	1294.5	1294.5	1293.9	1273.8
45°	1202.2	1224.1	1225.9	1224.7	1204.0
47.5°	1133.0	1149.5	1152.5	1150.1	1131.8
50°	1055.5	1072.6	1076.2	1073.8	1059.6
52.5°	978.6	994.5	998.1	996.3	980.3
55°	898.1	913.5	915.8	914.1	898.1
57.5°	820.6	830.6	833.0	829.5	809.3
60°	730.1	744.3	748.4	744.3	725.3
62.5°	642.5	657.9	661.4	655.5	635.4
65°	553.8	569.1	573.3	568.6	546.7
67.5°	469.8	481.0	484.5	479.2	459.1
70°	383.4	397.6	397.0	389.9	372.1
72.5°	298.2	317.7	314.2	310.0	290.5
75°	230.1	239.0	236.7	234.3	218.3
77.5°	164.5	175.1	169.2	169.8	156.2
80°	110.6	120.7	114.8	112.4	105.3
82.5°	70.4	74.5	73.4	72.2	65.7
85°	36.7	39.0	37.9	36.7	34.3
87.5°	14.2	15.4	14.2	14.2	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)