

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: P413109

Luminaire Tested: **22PD-60-PC3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413109
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-L830
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

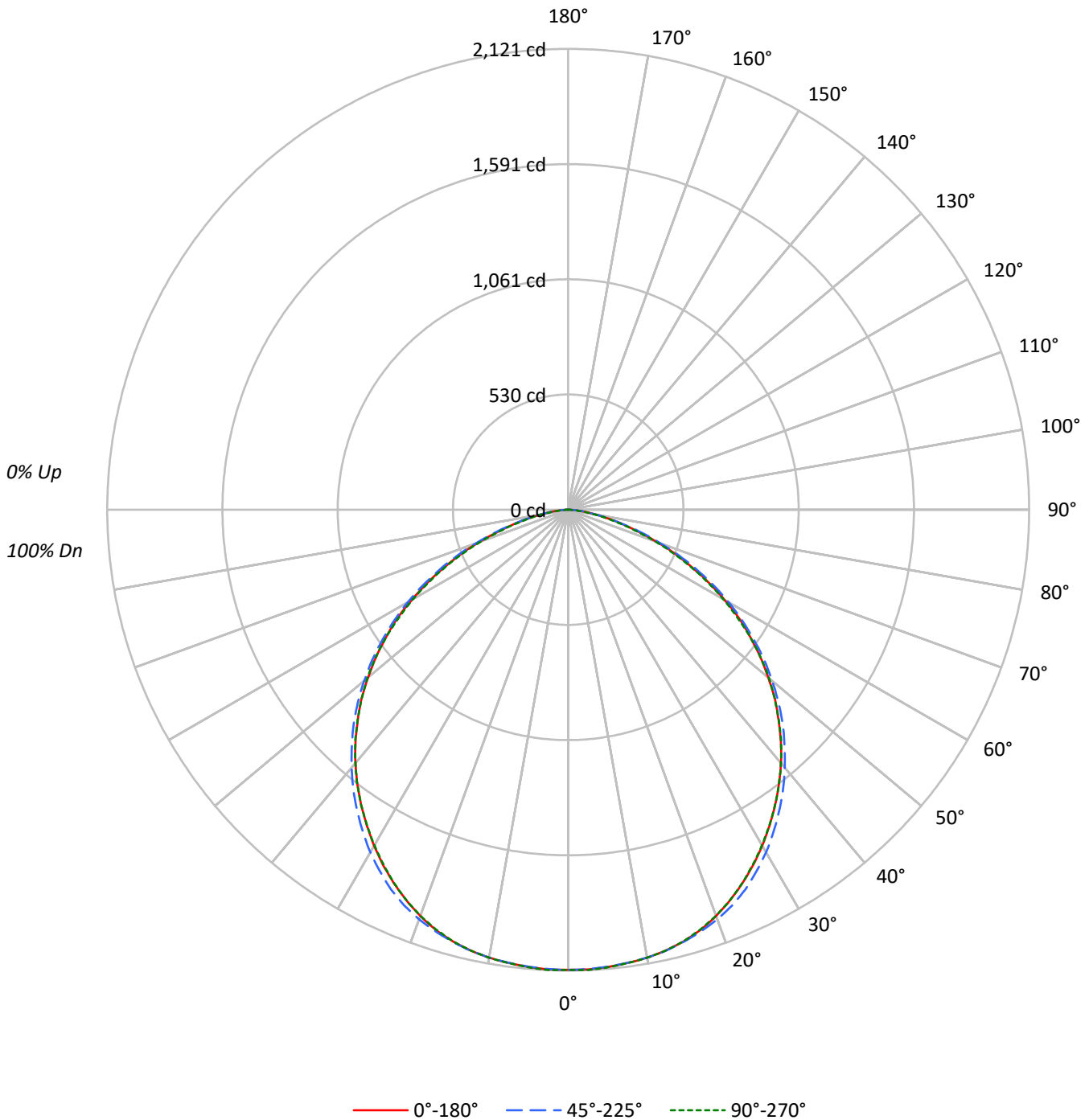
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5690.0 lumens
Efficiency: N/A
Efficacy: 106.2 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°	5699	5699	5699
5°	5707	5703	5710
10°	5721	5719	5721
15°	5728	5736	5726
20°	5699	5745	5695
25°	5633	5725	5629
30°	5549	5658	5541
35°	5453	5561	5453
40°	5351	5445	5351
45°	5210	5312	5217
50°	5031	5130	5051
55°	4798	4893	4798
60°	4474	4587	4445
65°	4015	4157	3964
70°	3434	3556	3334
75°	2725	2802	2585
80°	1953	2025	1858
85°	1291	1331	1207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.0	3.5
10°-20°	580.5	10.2
20°-30°	880.6	15.5
30°-40°	1051.7	18.5
40°-50°	1069.6	18.8
50°-60°	925.2	16.3
60°-70°	636.6	11.2
70°-80°	288.9	5.1
80°-90°	55.9	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°	1662.1	29.2
0°-40°	2713.8	47.7
0°-60°	4708.5	82.8
0°-90°	5690.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5690.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2118	2118	2118	2118	2118	
5°	2113	2111	2111	2111	2114	201
15°	2056	2057	2059	2055	2055	580
25°	1897	1914	1928	1910	1896	874
35°	1660	1690	1693	1687	1660	1038
45°	1369	1394	1396	1394	1371	1056
55°	1023	1040	1043	1041	1023	914
65°	631	648	653	647	622	626
75°	262	272	270	267	249	282
85°	42	44	43	42	39	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2118.0	2118.0	2118.0	2118.0	2118.0
2.5°	2118.0	2115.3	2116.0	2116.7	2120.7
5°	2112.6	2110.6	2111.3	2111.3	2114.0
7.5°	2103.9	2103.2	2103.2	2102.5	2104.6
10°	2093.8	2092.4	2093.1	2092.4	2093.8
12.5°	2078.3	2078.3	2079.0	2076.9	2078.3
15°	2056.1	2057.4	2058.8	2055.4	2055.4
17.5°	2027.8	2031.1	2034.5	2028.4	2025.1
20°	1990.0	1998.1	2006.2	1996.8	1988.7
22.5°	1946.2	1959.7	1971.8	1957.0	1946.2
25°	1897.1	1913.9	1928.1	1910.5	1895.7
27.5°	1843.9	1862.7	1876.2	1861.4	1841.2
30°	1785.9	1808.8	1820.9	1806.8	1783.2
32.5°	1723.9	1750.9	1758.3	1749.5	1722.6
35°	1659.9	1689.6	1692.9	1686.9	1659.9
37.5°	1593.2	1621.5	1624.2	1620.9	1593.2
40°	1523.2	1549.5	1550.1	1550.1	1523.2
42.5°	1448.4	1474.0	1474.0	1473.3	1450.4
45°	1368.9	1393.8	1395.9	1394.5	1370.9
47.5°	1290.1	1309.0	1312.3	1309.6	1288.7
50°	1201.8	1221.4	1225.4	1222.7	1206.6
52.5°	1114.3	1132.4	1136.5	1134.5	1116.3
55°	1022.6	1040.2	1042.9	1040.8	1022.6
57.5°	934.4	945.8	948.5	944.5	921.6
60°	831.3	847.5	852.2	847.5	825.9
62.5°	731.6	749.1	753.2	746.4	723.5
65°	630.6	648.1	652.8	647.4	622.5
67.5°	534.9	547.7	551.7	545.7	522.8
70°	436.5	452.7	452.0	444.0	423.7
72.5°	339.5	361.8	357.7	353.0	330.8
75°	262.1	272.2	269.5	266.8	248.6
77.5°	187.3	199.4	192.7	193.3	177.9
80°	126.0	137.4	130.7	128.0	119.9
82.5°	80.2	84.9	83.5	82.2	74.8
85°	41.8	44.5	43.1	41.8	39.1
87.5°	16.2	17.5	16.2	16.2	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)