

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: P413118

Luminaire Tested: **22PD-65-PC3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413118
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-65-PC3-L830
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

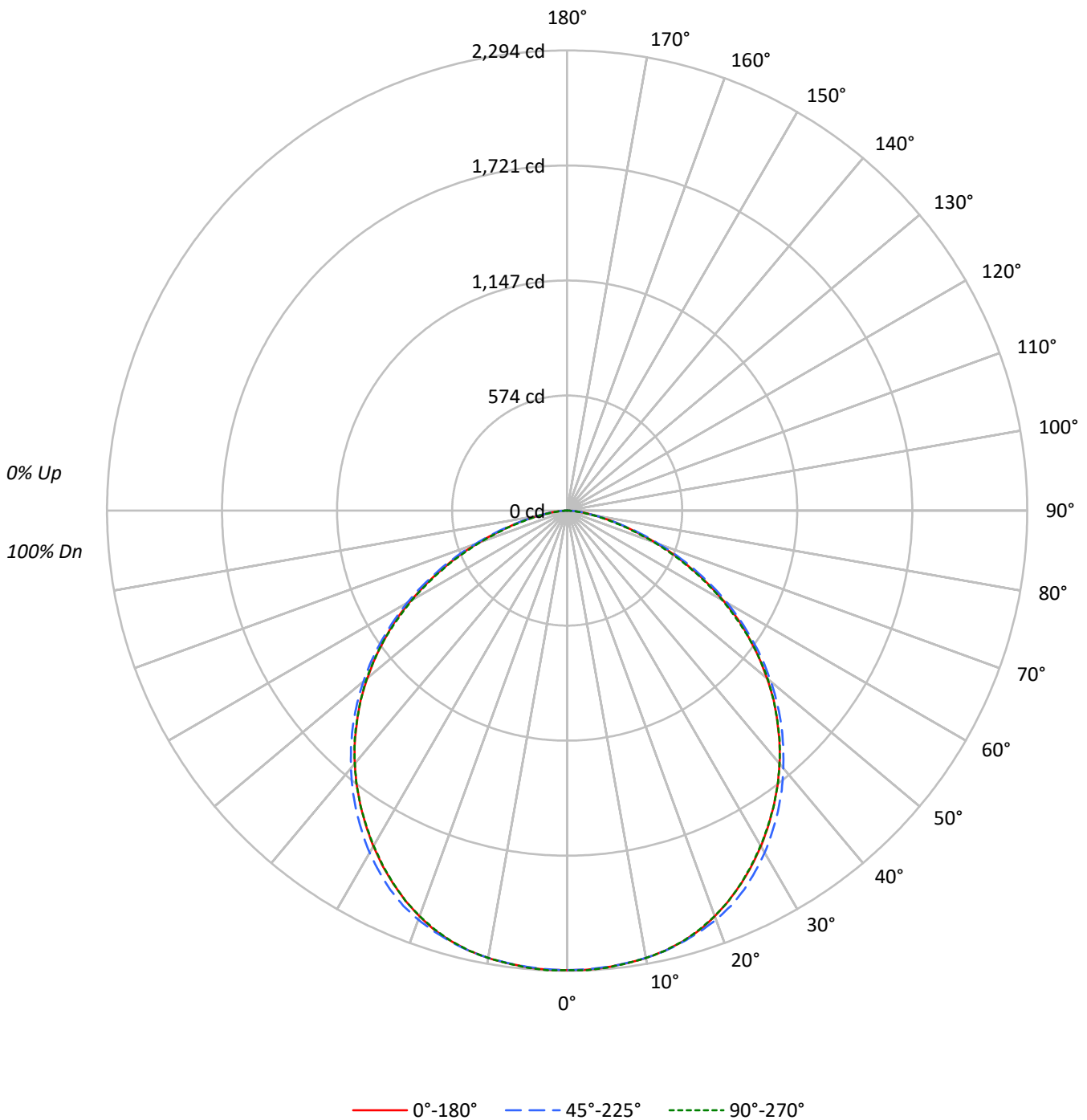
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6155.0 lumens
Efficiency: N/A
Efficacy: 106.3 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): 57.9
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: P413118
CATALOG NUMBER: 22PD-65-PC3-L830

Luminous Intensity Polar Plot





TEST NUMBER: P413118

CATALOG NUMBER: 22PD-65-PC3-L830

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°	6165	6165	6165
5°	6173	6169	6177
10°	6189	6187	6189
15°	6196	6204	6194
20°	6165	6215	6160
25°	6093	6192	6089
30°	6003	6121	5994
35°	5899	6016	5899
40°	5788	5890	5788
45°	5635	5746	5644
50°	5443	5550	5464
55°	5190	5293	5190
60°	4840	4961	4808
65°	4343	4496	4287
70°	3715	3847	3607
75°	2948	3031	2796
80°	2112	2191	2010
85°	1396	1439	1306



TEST NUMBER: P413118

CATALOG NUMBER: 22PD-65-PC3-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.4	3.5
10°-20°	627.9	10.2
20°-30°	952.6	15.5
30°-40°	1137.7	18.5
40°-50°	1157.0	18.8
50°-60°	1000.8	16.3
60°-70°	688.6	11.2
70°-80°	312.5	5.1
80°-90°	60.5	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°	1797.9	29.2
0°-40°	2935.6	47.7
0°-60°	5093.3	82.8
0°-90°	6155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2291	2291	2291	2291	2291	
5°	2285	2283	2284	2284	2287	217
15°	2224	2226	2227	2223	2223	627
25°	2052	2070	2086	2067	2051	945
35°	1796	1828	1831	1825	1796	1123
45°	1481	1508	1510	1508	1483	1142
55°	1106	1125	1128	1126	1106	988
65°	682	701	706	700	673	677
75°	284	294	292	289	269	305
85°	45	48	47	45	42	59
90°	0	0	0	0	0	



TEST NUMBER: P413118

CATALOG NUMBER: 22PD-65-PC3-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2291.1	2291.1	2291.1	2291.1	2291.1
2.5°	2291.1	2288.2	2288.9	2289.7	2294.0
5°	2285.3	2283.1	2283.8	2283.8	2286.8
7.5°	2275.8	2275.1	2275.1	2274.4	2276.6
10°	2264.9	2263.4	2264.2	2263.4	2264.9
12.5°	2248.1	2248.1	2248.9	2246.7	2248.1
15°	2224.1	2225.5	2227.0	2223.4	2223.4
17.5°	2193.5	2197.1	2200.8	2194.2	2190.6
20°	2152.7	2161.4	2170.2	2160.0	2151.2
22.5°	2105.3	2119.9	2133.0	2117.0	2105.3
25°	2052.1	2070.3	2085.6	2066.7	2050.6
27.5°	1994.5	2014.9	2029.5	2013.5	1991.6
30°	1931.9	1956.6	1969.8	1954.5	1928.9
32.5°	1864.8	1894.0	1902.0	1892.5	1863.4
35°	1795.6	1827.7	1831.3	1824.7	1795.6
37.5°	1723.4	1754.1	1757.0	1753.3	1723.4
40°	1647.7	1676.1	1676.8	1676.8	1647.7
42.5°	1566.8	1594.5	1594.5	1593.7	1569.0
45°	1480.8	1507.7	1509.9	1508.5	1483.0
47.5°	1395.5	1415.9	1419.6	1416.7	1394.1
50°	1300.1	1321.2	1325.6	1322.6	1305.2
52.5°	1205.3	1225.0	1229.4	1227.2	1207.5
55°	1106.2	1125.2	1128.1	1125.9	1106.2
57.5°	1010.7	1023.1	1026.1	1021.7	996.9
60°	899.3	916.7	921.8	916.7	893.4
62.5°	791.4	810.3	814.7	807.4	782.7
65°	682.1	701.0	706.1	700.3	673.3
67.5°	578.6	592.5	596.8	590.3	565.5
70°	472.2	489.7	489.0	480.2	458.4
72.5°	367.3	391.3	387.0	381.9	357.8
75°	283.5	294.4	291.5	288.6	268.9
77.5°	202.6	215.7	208.4	209.1	192.4
80°	136.3	148.7	141.4	138.5	129.7
82.5°	86.7	91.8	90.4	88.9	80.9
85°	45.2	48.1	46.6	45.2	42.3
87.5°	17.5	18.9	17.5	17.5	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)