

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: P413137

Luminaire Tested: **22PD-75-PC3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413137
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-75-PC3-L835
Description: 7500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

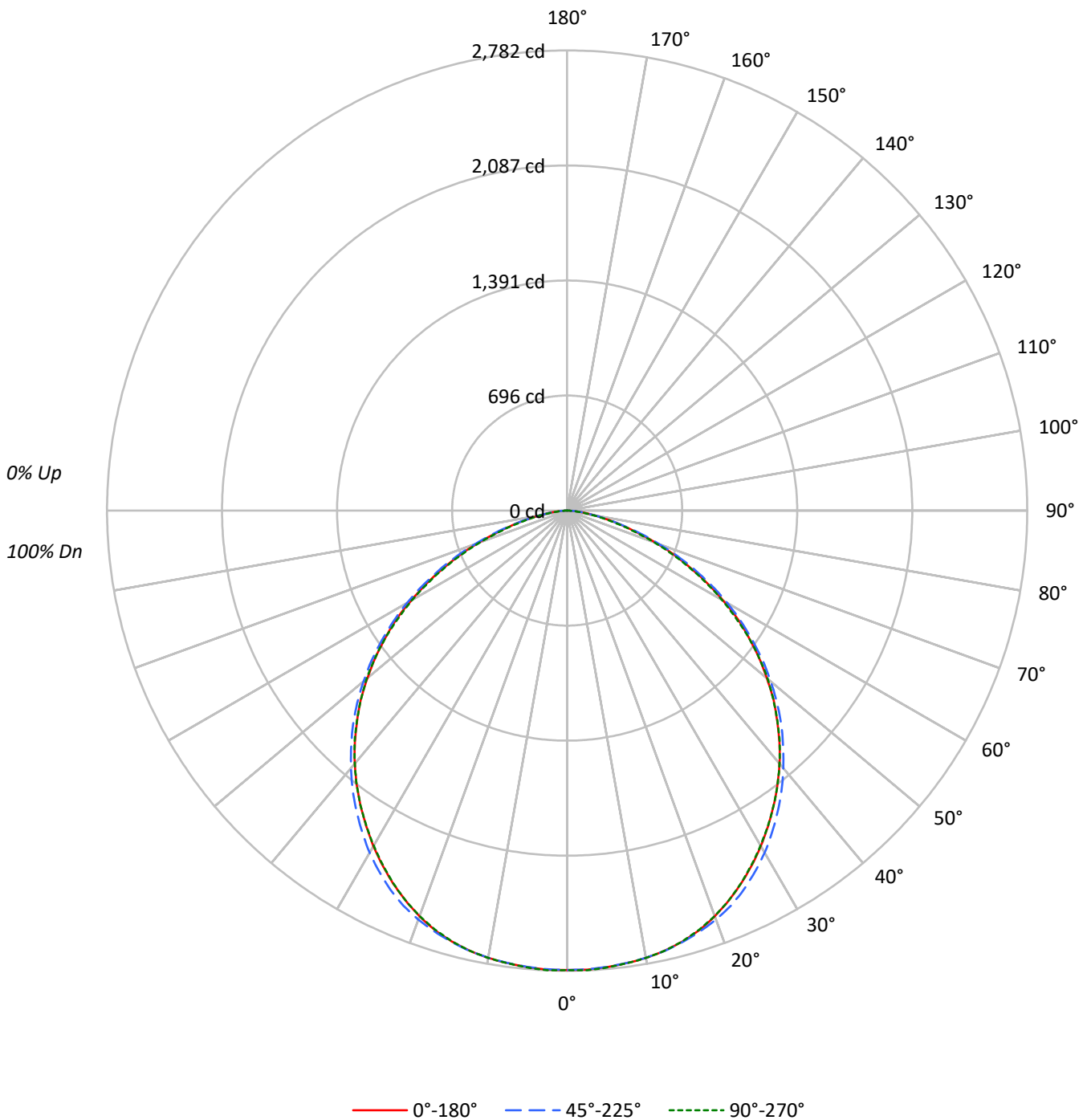
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7463.0 lumens
Efficiency: N/A
Efficacy: 110.6 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): 67.5
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

TEST NUMBER: P413137
CATALOG NUMBER: 22PD-75-PC3-L835

Luminous Intensity Polar Plot





TEST NUMBER: P413137

CATALOG NUMBER: 22PD-75-PC3-L835

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°	7476	7476	7476
5°	7485	7480	7490
10°	7504	7502	7504
15°	7513	7523	7510
20°	7474	7535	7470
25°	7388	7508	7383
30°	7278	7421	7268
35°	7152	7295	7152
40°	7018	7142	7018
45°	6833	6967	6843
50°	6599	6729	6625
55°	6293	6417	6293
60°	5868	6015	5830
65°	5266	5452	5198
70°	4505	4665	4373
75°	3573	3674	3389
80°	2560	2656	2438
85°	1692	1744	1581



TEST NUMBER: P413137

CATALOG NUMBER: 22PD-75-PC3-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.6	3.5
10°-20°	761.3	10.2
20°-30°	1155.1	15.5
30°-40°	1379.4	18.5
40°-50°	1402.9	18.8
50°-60°	1213.5	16.3
60°-70°	835.0	11.2
70°-80°	378.9	5.1
80°-90°	73.3	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°	2180.0	29.2
0°-40°	3559.4	47.7
0°-60°	6175.7	82.8
0°-90°	7463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7463.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2778	2778	2778	2778	2778	
5°	2771	2768	2769	2769	2773	264
15°	2697	2698	2700	2696	2696	761
25°	2488	2510	2529	2506	2486	1146
35°	2177	2216	2220	2212	2177	1362
45°	1796	1828	1831	1829	1798	1385
55°	1341	1364	1368	1365	1341	1198
65°	827	850	856	849	816	821
75°	344	357	353	350	326	370
85°	55	58	56	55	51	72
90°	0	0	0	0	0	



TEST NUMBER: P413137

CATALOG NUMBER: 22PD-75-PC3-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2778.0	2778.0	2778.0	2778.0	2778.0
2.5°	2778.0	2774.5	2775.4	2776.2	2781.6
5°	2770.9	2768.3	2769.2	2769.2	2772.7
7.5°	2759.5	2758.6	2758.6	2757.7	2760.3
10°	2746.2	2744.4	2745.3	2744.4	2746.2
12.5°	2725.9	2725.9	2726.8	2724.1	2725.9
15°	2696.7	2698.5	2700.3	2695.8	2695.8
17.5°	2659.6	2664.0	2668.5	2660.5	2656.1
20°	2610.1	2620.7	2631.3	2619.0	2608.4
22.5°	2552.7	2570.4	2586.3	2566.8	2552.7
25°	2488.2	2510.3	2528.8	2505.9	2486.4
27.5°	2418.4	2443.1	2460.8	2441.4	2414.9
30°	2342.4	2372.4	2388.4	2369.8	2338.9
32.5°	2261.1	2296.5	2306.2	2294.7	2259.3
35°	2177.2	2216.1	2220.5	2212.5	2177.2
37.5°	2089.7	2126.8	2130.3	2125.9	2089.7
40°	1997.8	2032.3	2033.1	2033.1	1997.8
42.5°	1899.7	1933.3	1933.3	1932.4	1902.4
45°	1795.5	1828.2	1830.8	1829.0	1798.1
47.5°	1692.1	1716.8	1721.2	1717.7	1690.3
50°	1576.3	1602.0	1607.3	1603.7	1582.5
52.5°	1461.5	1485.3	1490.6	1488.0	1464.1
55°	1341.3	1364.3	1367.8	1365.2	1341.3
57.5°	1225.5	1240.6	1244.1	1238.8	1208.8
60°	1090.4	1111.6	1117.7	1111.6	1083.3
62.5°	959.6	982.6	987.9	979.0	949.0
65°	827.0	850.0	856.2	849.1	816.4
67.5°	701.6	718.4	723.7	715.7	685.7
70°	572.6	593.8	592.9	582.3	555.8
72.5°	445.3	474.5	469.2	463.0	433.8
75°	343.7	357.0	353.4	349.9	326.0
77.5°	245.6	261.5	252.7	253.6	233.3
80°	165.2	180.3	171.4	167.9	157.3
82.5°	105.1	111.3	109.6	107.8	98.1
85°	54.8	58.3	56.5	54.8	51.2
87.5°	21.2	23.0	21.2	21.2	19.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)