

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: P412467

Luminaire Tested: **22PD-80-PB1-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-80-PB1-L935
Description: 8000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

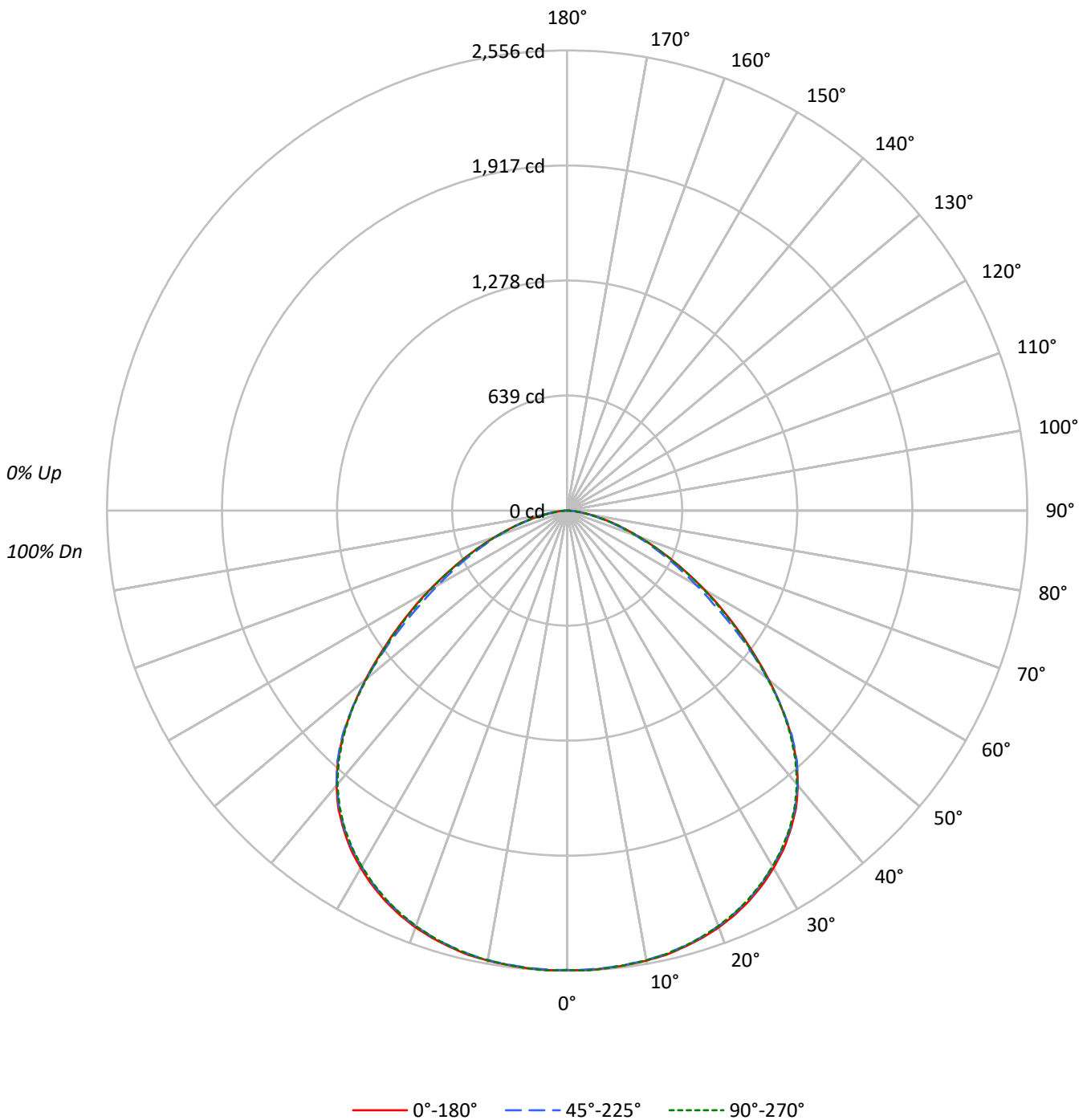
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6701.0 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 72.6
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

TEST NUMBER: P412467
CATALOG NUMBER: 22PD-80-PB1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P412467

CATALOG NUMBER: 22PD-80-PB1-L935

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	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					100			
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88					86				
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76					73				
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65					63				
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56					54				
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49					47				
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44					42				
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39					37				
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35					33				
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32					30				
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6868	6868	6868
5°	6890	6884	6893
10°	6936	6927	6931
15°	6992	6981	6981
20°	7056	7036	7031
25°	7100	7079	7072
30°	7124	7095	7090
35°	7109	7089	7075
40°	7003	6995	6973
45°	6695	6716	6665
50°	6129	6096	6090
55°	5447	5254	5410
60°	4749	4460	4719
65°	4025	3809	4005
70°	3328	3192	3297
75°	2692	2519	2585
80°	1945	1883	1872
85°	1266	1266	1220



TEST NUMBER: P412467

CATALOG NUMBER: 22PD-80-PB1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.9	3.6
10°-20°	708.3	10.6
20°-30°	1099.1	16.4
30°-40°	1347.8	20.1
40°-50°	1347.3	20.1
50°-60°	1020.6	15.2
60°-70°	612.1	9.1
70°-80°	269.5	4.0
80°-90°	53.5	0.8
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°	2050.3	30.6
0°-40°	3398.1	50.7
0°-60°	5765.9	86.0
0°-90°	6701.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6701.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2552	2552	2552	2552	2552	
5°	2551	2548	2548	2548	2552	243
15°	2510	2507	2506	2504	2506	710
25°	2391	2387	2384	2380	2382	1102
35°	2164	2163	2158	2156	2154	1352
45°	1759	1762	1765	1760	1751	1347
55°	1161	1136	1120	1135	1153	1041
65°	632	610	598	608	629	632
75°	259	253	242	246	249	276
85°	41	43	41	40	40	54
90°	0	0	0	0	0	



TEST NUMBER: P412467

CATALOG NUMBER: 22PD-80-PB1-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2552.4	2552.4	2552.4	2552.4	2552.4
2.5°	2554.8	2550.8	2551.6	2551.6	2556.4
5°	2550.8	2547.7	2548.5	2547.7	2551.6
7.5°	2545.3	2542.1	2542.9	2542.1	2544.5
10°	2538.2	2535.0	2535.0	2533.5	2536.6
12.5°	2528.7	2524.8	2523.2	2522.4	2524.8
15°	2509.8	2507.4	2505.8	2504.3	2505.8
17.5°	2489.3	2485.3	2483.7	2480.6	2483.7
20°	2464.0	2458.5	2456.9	2454.5	2455.3
22.5°	2430.9	2426.1	2423.8	2419.8	2421.4
25°	2391.4	2386.7	2384.3	2380.3	2381.9
27.5°	2345.6	2342.5	2336.9	2333.8	2334.6
30°	2292.7	2289.6	2283.3	2281.7	2281.7
32.5°	2234.3	2230.4	2224.9	2223.3	2222.5
35°	2164.1	2163.3	2157.8	2156.2	2153.8
37.5°	2087.5	2086.0	2079.6	2078.1	2075.7
40°	1993.6	1992.0	1991.3	1988.1	1984.9
42.5°	1884.7	1887.1	1888.7	1882.3	1876.0
45°	1759.2	1761.6	1764.7	1760.0	1751.3
47.5°	1612.4	1621.9	1617.2	1620.3	1611.6
50°	1464.0	1464.0	1456.1	1459.3	1454.6
52.5°	1308.6	1295.9	1286.5	1292.8	1299.1
55°	1161.0	1135.7	1119.9	1134.9	1153.1
57.5°	1019.7	989.7	960.5	984.2	1006.3
60°	882.4	847.6	828.7	846.1	876.8
62.5°	752.1	726.9	707.9	721.4	747.4
65°	632.2	610.1	598.2	608.5	629.0
67.5°	522.5	507.5	495.6	504.3	520.1
70°	423.0	419.1	405.7	409.6	419.1
72.5°	332.3	331.5	319.6	322.8	328.3
75°	258.9	253.3	242.3	246.2	248.6
77.5°	183.1	185.5	175.2	177.6	177.6
80°	125.5	129.4	121.5	120.0	120.8
82.5°	79.7	79.7	78.9	78.1	75.8
85°	41.0	42.6	41.0	39.5	39.5
87.5°	15.8	15.8	15.8	15.0	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)