

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: P412427

Luminaire Tested: **22PD-60-PB1-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412427
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-60-PB1-L840
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

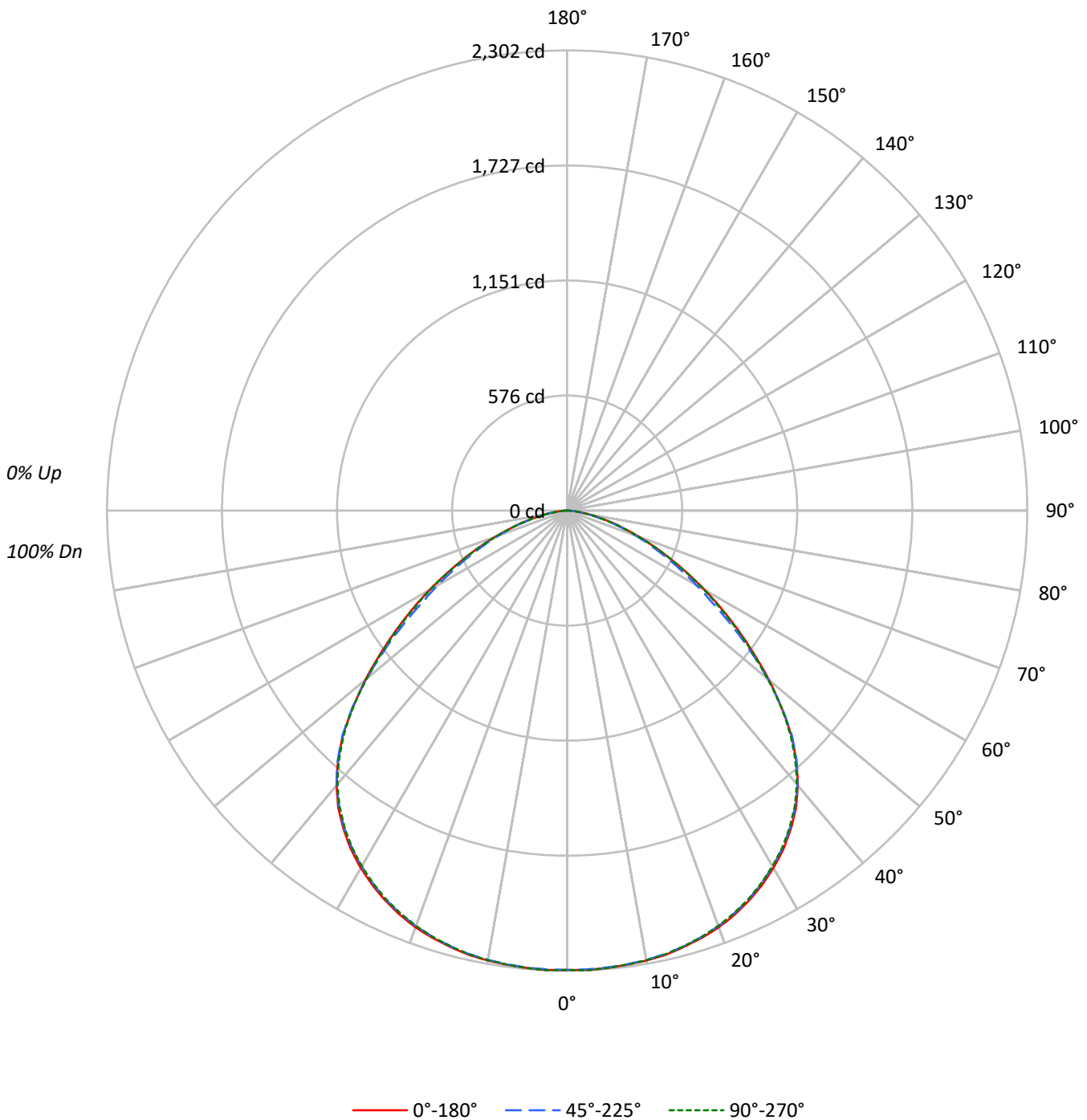
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6033.0 lumens
Efficiency: N/A
Efficacy: 112.6 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): 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

TEST NUMBER: P412427
CATALOG NUMBER: 22PD-60-PB1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P412427

CATALOG NUMBER: 22PD-60-PB1-L840

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	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°	6184	6184	6184
5°	6203	6198	6206
10°	6244	6236	6240
15°	6295	6285	6285
20°	6353	6334	6330
25°	6393	6374	6367
30°	6414	6388	6383
35°	6401	6382	6370
40°	6305	6298	6278
45°	6027	6046	6000
50°	5518	5488	5483
55°	4904	4731	4870
60°	4275	4015	4249
65°	3624	3429	3606
70°	2997	2873	2969
75°	2424	2268	2327
80°	1751	1695	1684
85°	1139	1139	1096



TEST NUMBER: P412427

CATALOG NUMBER: 22PD-60-PB1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.7	3.6
10°-20°	637.7	10.6
20°-30°	989.5	16.4
30°-40°	1213.5	20.1
40°-50°	1213.0	20.1
50°-60°	918.8	15.2
60°-70°	551.1	9.1
70°-80°	242.6	4.0
80°-90°	48.1	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°	1845.9	30.6
0°-40°	3059.3	50.7
0°-60°	5191.2	86.0
0°-90°	6033.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6033.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2298	2298	2298	2298	2298	
5°	2296	2294	2294	2294	2297	219
15°	2260	2258	2256	2255	2256	639
25°	2153	2149	2147	2143	2144	992
35°	1948	1948	1943	1941	1939	1217
45°	1584	1586	1589	1585	1577	1212
55°	1045	1022	1008	1022	1038	937
65°	569	549	539	548	566	569
75°	233	228	218	222	224	249
85°	37	38	37	36	36	49
90°	0	0	0	0	0	



TEST NUMBER: P412427

CATALOG NUMBER: 22PD-60-PB1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2298.0	2298.0	2298.0	2298.0	2298.0
2.5°	2300.1	2296.5	2297.3	2297.3	2301.5
5°	2296.5	2293.7	2294.4	2293.7	2297.3
7.5°	2291.6	2288.7	2289.4	2288.7	2290.9
10°	2285.2	2282.3	2282.3	2280.9	2283.8
12.5°	2276.6	2273.1	2271.7	2271.0	2273.1
15°	2259.6	2257.5	2256.0	2254.6	2256.0
17.5°	2241.1	2237.6	2236.1	2233.3	2236.1
20°	2218.4	2213.4	2212.0	2209.9	2210.6
22.5°	2188.5	2184.3	2182.1	2178.6	2180.0
25°	2153.0	2148.7	2146.6	2143.1	2144.5
27.5°	2111.8	2109.0	2104.0	2101.1	2101.8
30°	2064.2	2061.3	2055.7	2054.2	2054.2
32.5°	2011.6	2008.1	2003.1	2001.7	2000.9
35°	1948.4	1947.7	1942.7	1941.3	1939.1
37.5°	1879.4	1878.0	1872.3	1870.9	1868.8
40°	1794.9	1793.5	1792.8	1789.9	1787.1
42.5°	1696.8	1699.0	1700.4	1694.7	1689.0
45°	1583.8	1586.0	1588.8	1584.6	1576.7
47.5°	1451.7	1460.2	1455.9	1458.8	1451.0
50°	1318.1	1318.1	1311.0	1313.8	1309.6
52.5°	1178.1	1166.7	1158.2	1163.9	1169.6
55°	1045.2	1022.5	1008.3	1021.8	1038.1
57.5°	918.0	891.0	864.8	886.1	906.0
60°	794.4	763.1	746.1	761.7	789.4
62.5°	677.2	654.4	637.4	649.5	672.9
65°	569.2	549.3	538.6	547.8	566.3
67.5°	470.4	456.9	446.2	454.1	468.3
70°	380.9	377.3	365.2	368.8	377.3
72.5°	299.1	298.4	287.8	290.6	295.6
75°	233.1	228.1	218.1	221.7	223.8
77.5°	164.9	167.0	157.7	159.9	159.9
80°	113.0	116.5	109.4	108.0	108.7
82.5°	71.8	71.8	71.1	70.3	68.2
85°	36.9	38.4	36.9	35.5	35.5
87.5°	14.2	14.2	14.2	13.5	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)