

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: P412432

Luminaire Tested: **22PD-60-PB1-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412432
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-L940
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

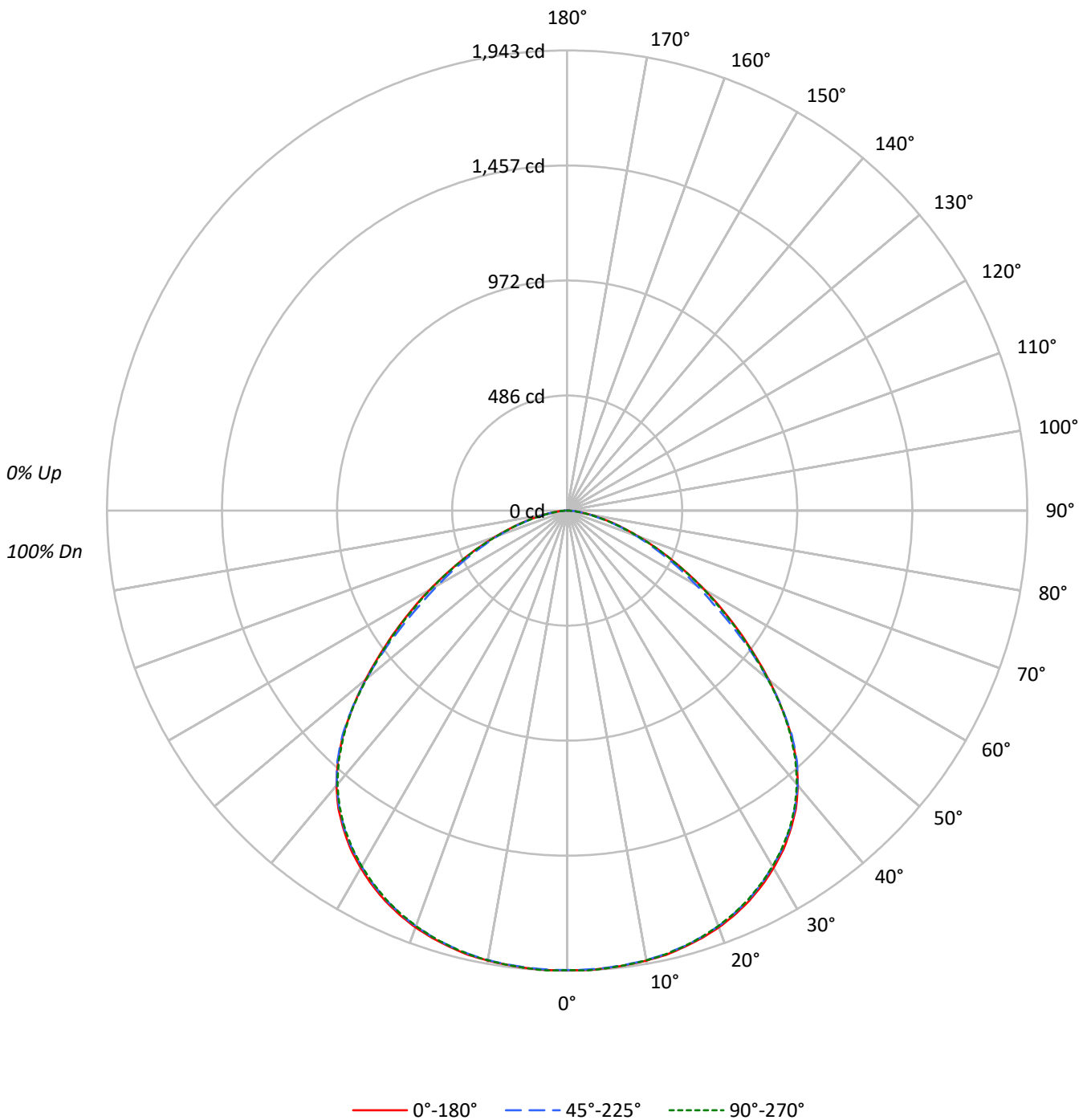
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5094.0 lumens
Efficiency: N/A
Efficacy: 95.0 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 (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: P412432
CATALOG NUMBER: 22PD-60-PB1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P412432

CATALOG NUMBER: 22PD-60-PB1-L940

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°	5221	5221	5221
5°	5238	5233	5240
10°	5272	5266	5269
15°	5315	5307	5307
20°	5364	5348	5345
25°	5398	5382	5376
30°	5416	5393	5390
35°	5404	5389	5379
40°	5324	5317	5300
45°	5089	5105	5066
50°	4659	4634	4629
55°	4141	3994	4113
60°	3610	3391	3588
65°	3060	2896	3045
70°	2530	2426	2507
75°	2046	1915	1965
80°	1478	1432	1423
85°	963	963	926



TEST NUMBER: P412432

CATALOG NUMBER: 22PD-60-PB1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.6	3.6
10°-20°	538.4	10.6
20°-30°	835.5	16.4
30°-40°	1024.6	20.1
40°-50°	1024.2	20.1
50°-60°	775.8	15.2
60°-70°	465.3	9.1
70°-80°	204.9	4.0
80°-90°	40.6	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°	1558.6	30.6
0°-40°	2583.1	50.7
0°-60°	4383.2	86.0
0°-90°	5094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5094.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1940	1940	1940	1940	1940	
5°	1939	1937	1937	1937	1940	185
15°	1908	1906	1905	1904	1905	539
25°	1818	1814	1812	1810	1811	838
35°	1645	1644	1640	1639	1637	1027
45°	1337	1339	1342	1338	1331	1024
55°	883	863	851	863	877	791
65°	481	464	455	463	478	481
75°	197	193	184	187	189	210
85°	31	32	31	30	30	41
90°	0	0	0	0	0	



TEST NUMBER: P412432

CATALOG NUMBER: 22PD-60-PB1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1940.3	1940.3	1940.3	1940.3	1940.3
2.5°	1942.1	1939.1	1939.7	1939.7	1943.3
5°	1939.1	1936.7	1937.3	1936.7	1939.7
7.5°	1934.9	1932.5	1933.1	1932.5	1934.3
10°	1929.5	1927.1	1927.1	1925.9	1928.3
12.5°	1922.3	1919.3	1918.1	1917.5	1919.3
15°	1907.9	1906.1	1904.9	1903.7	1904.9
17.5°	1892.3	1889.3	1888.1	1885.7	1888.1
20°	1873.1	1868.9	1867.7	1865.9	1866.5
22.5°	1847.9	1844.3	1842.5	1839.5	1840.7
25°	1817.9	1814.3	1812.5	1809.5	1810.7
27.5°	1783.1	1780.7	1776.5	1774.1	1774.7
30°	1742.9	1740.5	1735.7	1734.5	1734.5
32.5°	1698.5	1695.5	1691.3	1690.1	1689.5
35°	1645.1	1644.5	1640.3	1639.1	1637.3
37.5°	1586.9	1585.7	1580.9	1579.7	1577.9
40°	1515.5	1514.3	1513.7	1511.3	1508.9
42.5°	1432.7	1434.5	1435.7	1430.9	1426.1
45°	1337.3	1339.1	1341.5	1337.9	1331.3
47.5°	1225.7	1232.9	1229.3	1231.7	1225.1
50°	1112.9	1112.9	1106.9	1109.3	1105.7
52.5°	994.7	985.1	977.9	982.7	987.5
55°	882.6	863.4	851.4	862.8	876.6
57.5°	775.2	752.4	730.2	748.2	765.0
60°	670.8	644.4	630.0	643.2	666.6
62.5°	571.8	552.6	538.2	548.4	568.2
65°	480.6	463.8	454.8	462.6	478.2
67.5°	397.2	385.8	376.8	383.4	395.4
70°	321.6	318.6	308.4	311.4	318.6
72.5°	252.6	252.0	243.0	245.4	249.6
75°	196.8	192.6	184.2	187.2	189.0
77.5°	139.2	141.0	133.2	135.0	135.0
80°	95.4	98.4	92.4	91.2	91.8
82.5°	60.6	60.6	60.0	59.4	57.6
85°	31.2	32.4	31.2	30.0	30.0
87.5°	12.0	12.0	12.0	11.4	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)