

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: P412431

Luminaire Tested: **22PD-60-PB1-L935**

Issue Date: 9/15/2020



**Test Information**

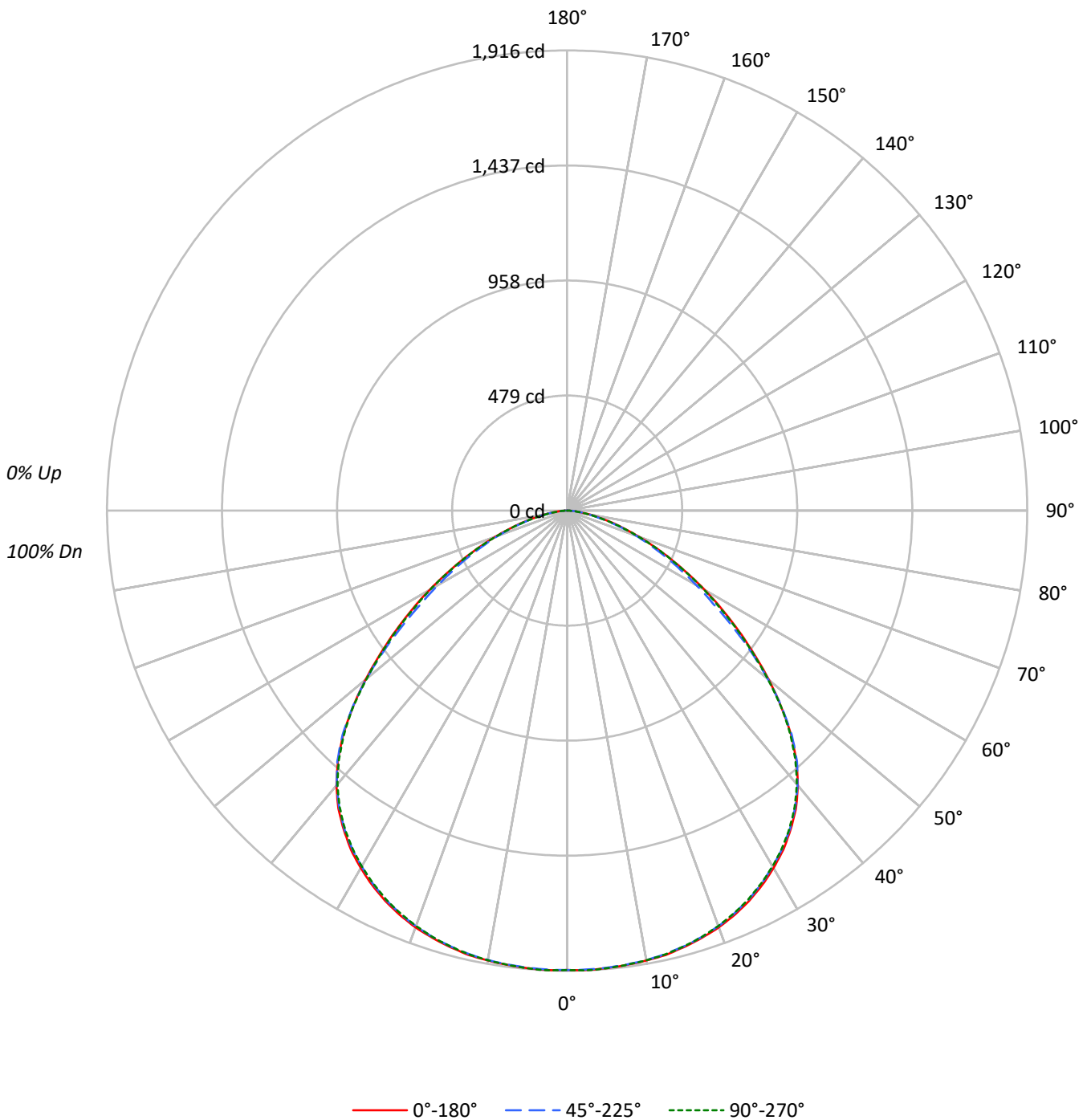
Test Method: LM-79-08  
Report Number: P412431  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-60-PB1-L935  
Description: 6000 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: 5023.0 lumens  
Efficiency: N/A  
Efficacy: 93.7 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: P412431  
CATALOG NUMBER: 22PD-60-PB1-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P412431

CATALOG NUMBER: 22PD-60-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	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°	5149	5149	5149
5°	5165	5160	5167
10°	5199	5192	5196
15°	5241	5233	5233
20°	5289	5274	5271
25°	5323	5306	5301
30°	5340	5318	5314
35°	5329	5314	5304
40°	5250	5243	5227
45°	5018	5034	4996
50°	4594	4569	4564
55°	4083	3939	4055
60°	3560	3343	3538
65°	3018	2855	3002
70°	2495	2393	2471
75°	2017	1888	1938
80°	1458	1412	1402
85°	951	951	914



TEST NUMBER: P412431

CATALOG NUMBER: 22PD-60-PB1-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.0	3.6
10°-20°	530.9	10.6
20°-30°	823.9	16.4
30°-40°	1010.3	20.1
40°-50°	1009.9	20.1
50°-60°	765.0	15.2
60°-70°	458.8	9.1
70°-80°	202.0	4.0
80°-90°	40.1	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°	1536.9	30.6
0°-40°	2547.2	50.7
0°-60°	4322.1	86.0
0°-90°	5023.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5023.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1913	1913	1913	1913	1913	
5°	1912	1910	1910	1910	1913	182
15°	1881	1880	1878	1877	1878	532
25°	1793	1789	1787	1784	1786	826
35°	1622	1622	1618	1616	1614	1013
45°	1319	1320	1323	1319	1313	1010
55°	870	851	840	851	864	780
65°	474	457	448	456	472	474
75°	194	190	182	185	186	207
85°	31	32	31	30	30	41
90°	0	0	0	0	0	



TEST NUMBER: P412431

CATALOG NUMBER: 22PD-60-PB1-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1913.3	1913.3	1913.3	1913.3	1913.3
2.5°	1915.0	1912.1	1912.7	1912.7	1916.2
5°	1912.1	1909.7	1910.3	1909.7	1912.7
7.5°	1907.9	1905.6	1906.2	1905.6	1907.3
10°	1902.6	1900.2	1900.2	1899.1	1901.4
12.5°	1895.5	1892.5	1891.4	1890.8	1892.5
15°	1881.3	1879.5	1878.4	1877.2	1878.4
17.5°	1865.9	1863.0	1861.8	1859.4	1861.8
20°	1847.0	1842.9	1841.7	1839.9	1840.5
22.5°	1822.1	1818.6	1816.8	1813.9	1815.0
25°	1792.6	1789.0	1787.2	1784.3	1785.5
27.5°	1758.3	1755.9	1751.7	1749.4	1750.0
30°	1718.6	1716.3	1711.5	1710.3	1710.3
32.5°	1674.8	1671.9	1667.7	1666.6	1666.0
35°	1622.2	1621.6	1617.5	1616.3	1614.5
37.5°	1564.8	1563.6	1558.9	1557.7	1555.9
40°	1494.4	1493.2	1492.6	1490.3	1487.9
42.5°	1412.8	1414.5	1415.7	1411.0	1406.2
45°	1318.7	1320.5	1322.8	1319.3	1312.8
47.5°	1208.7	1215.8	1212.2	1214.6	1208.1
50°	1097.4	1097.4	1091.5	1093.9	1090.3
52.5°	980.9	971.4	964.3	969.1	973.8
55°	870.3	851.3	839.5	850.7	864.3
57.5°	764.4	741.9	720.0	737.7	754.3
60°	661.4	635.4	621.2	634.2	657.3
62.5°	563.8	544.9	530.7	540.7	560.3
65°	473.9	457.3	448.4	456.1	471.5
67.5°	391.6	380.4	371.5	378.0	389.9
70°	317.1	314.1	304.1	307.0	314.1
72.5°	249.1	248.5	239.6	242.0	246.1
75°	194.0	189.9	181.6	184.6	186.4
77.5°	137.3	139.0	131.3	133.1	133.1
80°	94.1	97.0	91.1	89.9	90.5
82.5°	59.8	59.8	59.2	58.6	56.8
85°	30.8	31.9	30.8	29.6	29.6
87.5°	11.8	11.8	11.8	11.2	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)