

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: P413112

Luminaire Tested: **22PD-60-PC3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413112
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-60-PC3-L850
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

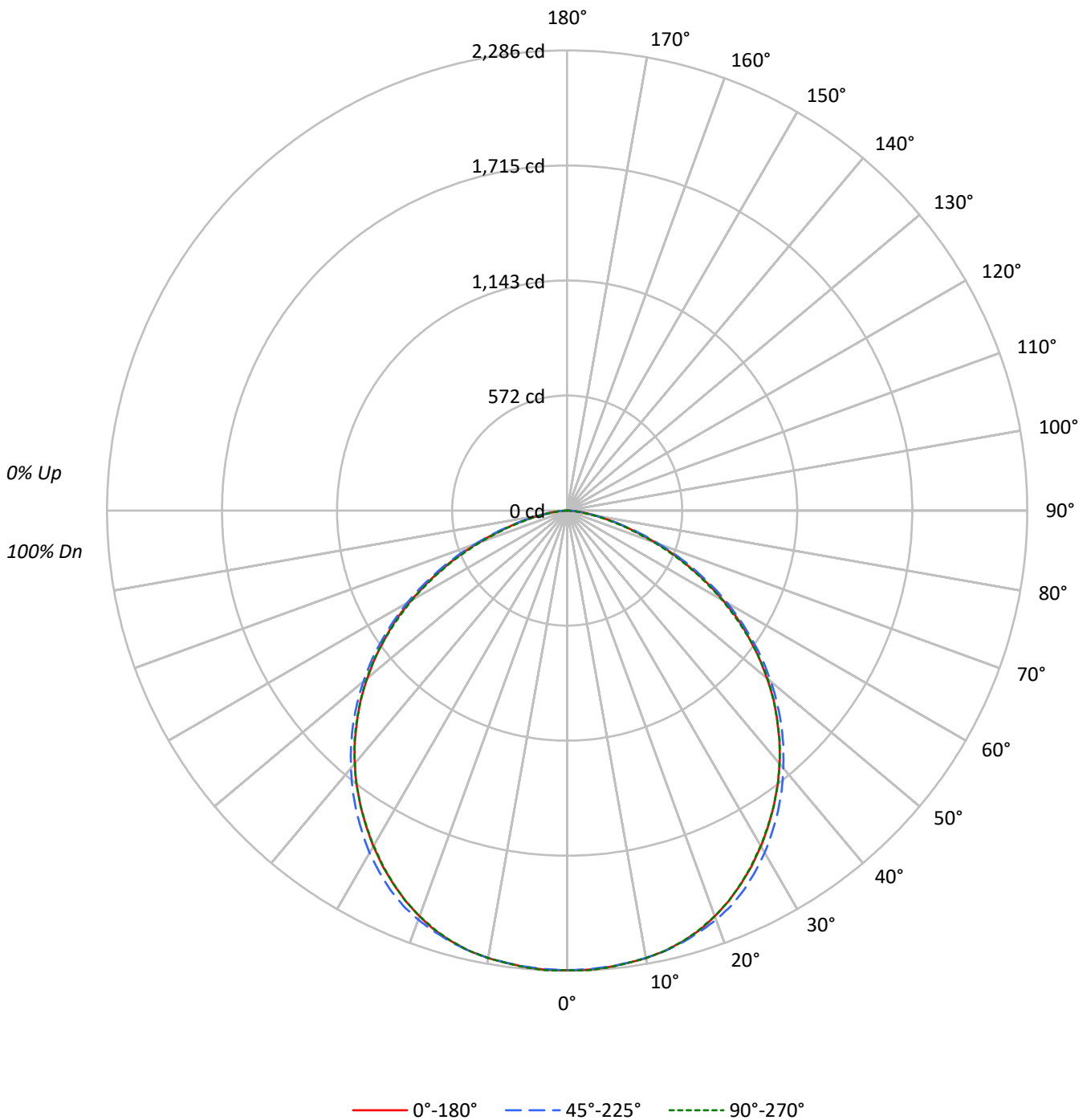
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6134.0 lumens
Efficiency: N/A
Efficacy: 114.4 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): 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: P413112
CATALOG NUMBER: 22PD-60-PC3-L850

Luminous Intensity Polar Plot





TEST NUMBER: P413112

CATALOG NUMBER: 22PD-60-PC3-L850

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°	6144	6144	6144
5°	6152	6148	6156
10°	6168	6166	6168
15°	6175	6183	6173
20°	6143	6194	6139
25°	6072	6171	6068
30°	5982	6100	5973
35°	5879	5996	5879
40°	5768	5870	5768
45°	5616	5727	5624
50°	5424	5530	5445
55°	5172	5274	5172
60°	4823	4944	4792
65°	4329	4481	4273
70°	3703	3834	3594
75°	2937	3020	2786
80°	2104	2183	2004
85°	1389	1436	1300



TEST NUMBER: P413112

CATALOG NUMBER: 22PD-60-PC3-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.6	3.5
10°-20°	625.8	10.2
20°-30°	949.4	15.5
30°-40°	1133.8	18.5
40°-50°	1153.0	18.8
50°-60°	997.4	16.3
60°-70°	686.3	11.2
70°-80°	311.5	5.1
80°-90°	60.3	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°	1791.8	29.2
0°-40°	2925.5	47.7
0°-60°	5075.9	82.8
0°-90°	6134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6134.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2283	2283	2283	2283	2283	
5°	2278	2275	2276	2276	2279	217
15°	2216	2218	2219	2216	2216	625
25°	2045	2063	2078	2060	2044	942
35°	1790	1821	1825	1818	1790	1119
45°	1476	1503	1505	1503	1478	1138
55°	1102	1121	1124	1122	1102	985
65°	680	699	704	698	671	674
75°	282	293	290	288	268	304
85°	45	48	46	45	42	59
90°	0	0	0	0	0	



TEST NUMBER: P413112

CATALOG NUMBER: 22PD-60-PC3-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2283.3	2283.3	2283.3	2283.3	2283.3
2.5°	2283.3	2280.4	2281.1	2281.9	2286.2
5°	2277.5	2275.3	2276.0	2276.0	2279.0
7.5°	2268.1	2267.3	2267.3	2266.6	2268.8
10°	2257.2	2255.7	2256.4	2255.7	2257.2
12.5°	2240.5	2240.5	2241.2	2239.0	2240.5
15°	2216.5	2217.9	2219.4	2215.8	2215.8
17.5°	2186.0	2189.6	2193.3	2186.7	2183.1
20°	2145.3	2154.0	2162.8	2152.6	2143.9
22.5°	2098.1	2112.6	2125.7	2109.7	2098.1
25°	2045.1	2063.3	2078.5	2059.6	2043.7
27.5°	1987.7	2008.1	2022.6	2006.6	1984.8
30°	1925.3	1950.0	1963.0	1947.8	1922.4
32.5°	1858.5	1887.5	1895.5	1886.1	1857.0
35°	1789.5	1821.4	1825.1	1818.5	1789.5
37.5°	1717.6	1748.1	1751.0	1747.3	1717.6
40°	1642.0	1670.4	1671.1	1671.1	1642.0
42.5°	1561.4	1589.0	1589.0	1588.3	1563.6
45°	1475.7	1502.6	1504.8	1503.3	1477.9
47.5°	1390.8	1411.1	1414.7	1411.8	1389.3
50°	1295.6	1316.7	1321.0	1318.1	1300.7
52.5°	1201.2	1220.8	1225.2	1223.0	1203.4
55°	1102.4	1121.3	1124.2	1122.0	1102.4
57.5°	1007.3	1019.6	1022.6	1018.2	993.5
60°	896.2	913.6	918.7	913.6	890.4
62.5°	788.7	807.6	811.9	804.7	780.0
65°	679.8	698.6	703.7	697.9	671.0
67.5°	576.6	590.4	594.8	588.3	563.6
70°	470.6	488.0	487.3	478.6	456.8
72.5°	366.0	390.0	385.6	380.6	356.6
75°	282.5	293.4	290.5	287.6	268.0
77.5°	201.9	215.0	207.7	208.4	191.7
80°	135.8	148.2	140.9	138.0	129.3
82.5°	86.4	91.5	90.1	88.6	80.6
85°	45.0	47.9	46.5	45.0	42.1
87.5°	17.4	18.9	17.4	17.4	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)