

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: P412438

Luminaire Tested: **22PD-65-PB1-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412438
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-65-PB1-L927
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

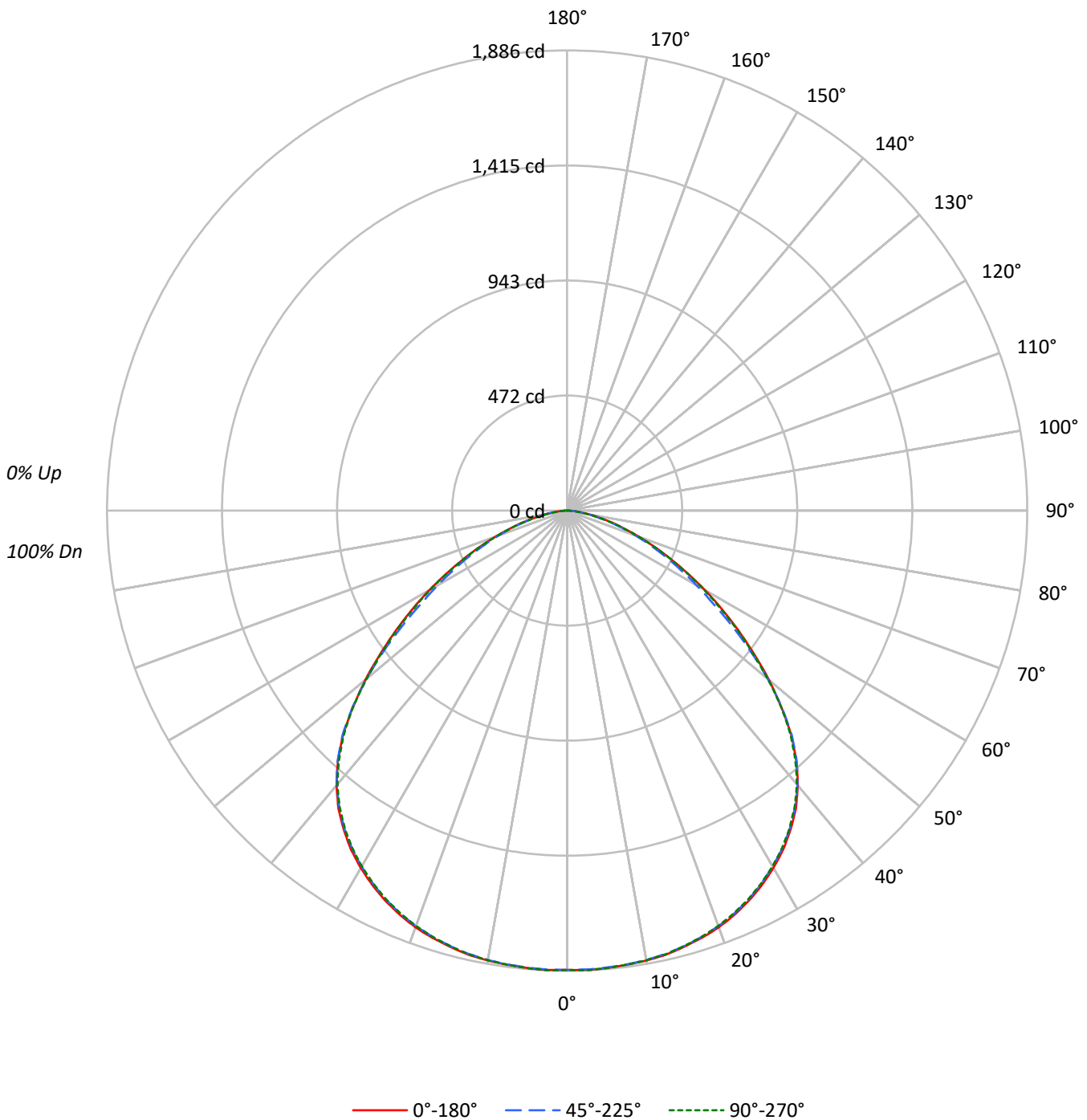
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4943.0 lumens
Efficiency: N/A
Efficacy: 85.4 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): 57.9
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

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Luminous Intensity Polar Plot





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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°	5067	5067	5067
5°	5083	5078	5084
10°	5116	5110	5113
15°	5158	5149	5149
20°	5205	5190	5187
25°	5238	5222	5217
30°	5255	5234	5230
35°	5244	5229	5219
40°	5166	5160	5143
45°	4939	4954	4916
50°	4521	4497	4492
55°	4018	3876	3991
60°	3503	3290	3481
65°	2969	2810	2954
70°	2456	2354	2432
75°	1986	1858	1907
80°	1435	1390	1381
85°	936	936	898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.1	3.6
10°-20°	522.5	10.6
20°-30°	810.7	16.4
30°-40°	994.2	20.1
40°-50°	993.8	20.1
50°-60°	752.8	15.2
60°-70°	451.5	9.1
70°-80°	198.8	4.0
80°-90°	39.4	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°	1512.4	30.6
0°-40°	2506.6	50.7
0°-60°	4253.3	86.0
0°-90°	4943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4943.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1883	1883	1883	1883	1883	
5°	1882	1879	1880	1879	1882	179
15°	1851	1850	1848	1847	1848	523
25°	1764	1760	1759	1756	1757	813
35°	1596	1596	1592	1590	1589	997
45°	1298	1299	1302	1298	1292	993
55°	856	838	826	837	851	768
65°	466	450	441	449	464	466
75°	191	187	179	182	183	204
85°	30	31	30	29	29	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1882.8	1882.8	1882.8	1882.8	1882.8
2.5°	1884.5	1881.6	1882.2	1882.2	1885.7
5°	1881.6	1879.3	1879.9	1879.3	1882.2
7.5°	1877.5	1875.2	1875.8	1875.2	1877.0
10°	1872.3	1870.0	1870.0	1868.8	1871.1
12.5°	1865.3	1862.4	1861.2	1860.7	1862.4
15°	1851.3	1849.6	1848.4	1847.3	1848.4
17.5°	1836.2	1833.3	1832.1	1829.8	1832.1
20°	1817.6	1813.5	1812.3	1810.6	1811.2
22.5°	1793.1	1789.6	1787.9	1785.0	1786.1
25°	1764.0	1760.5	1758.8	1755.9	1757.0
27.5°	1730.3	1727.9	1723.8	1721.5	1722.1
30°	1691.2	1688.9	1684.3	1683.1	1683.1
32.5°	1648.2	1645.3	1641.2	1640.0	1639.4
35°	1596.3	1595.8	1591.7	1590.5	1588.8
37.5°	1539.9	1538.7	1534.1	1532.9	1531.1
40°	1470.6	1469.4	1468.9	1466.5	1464.2
42.5°	1390.3	1392.0	1393.2	1388.5	1383.9
45°	1297.7	1299.4	1301.8	1298.3	1291.9
47.5°	1189.4	1196.4	1192.9	1195.2	1188.8
50°	1080.0	1080.0	1074.1	1076.5	1073.0
52.5°	965.3	955.9	949.0	953.6	958.3
55°	856.4	837.8	826.1	837.2	850.6
57.5°	752.2	730.1	708.5	726.0	742.3
60°	650.9	625.3	611.3	624.1	646.8
62.5°	554.8	536.2	522.2	532.1	551.3
65°	466.3	450.0	441.3	448.9	464.0
67.5°	385.4	374.3	365.6	372.0	383.7
70°	312.1	309.1	299.2	302.2	309.1
72.5°	245.1	244.5	235.8	238.1	242.2
75°	191.0	186.9	178.7	181.6	183.4
77.5°	135.1	136.8	129.2	131.0	131.0
80°	92.6	95.5	89.7	88.5	89.1
82.5°	58.8	58.8	58.2	57.6	55.9
85°	30.3	31.4	30.3	29.1	29.1
87.5°	11.6	11.6	11.6	11.1	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)