

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: P412783

Luminaire Tested: **22PD-65-PP3-L940**

Issue Date: 9/15/2020



**Test Information**

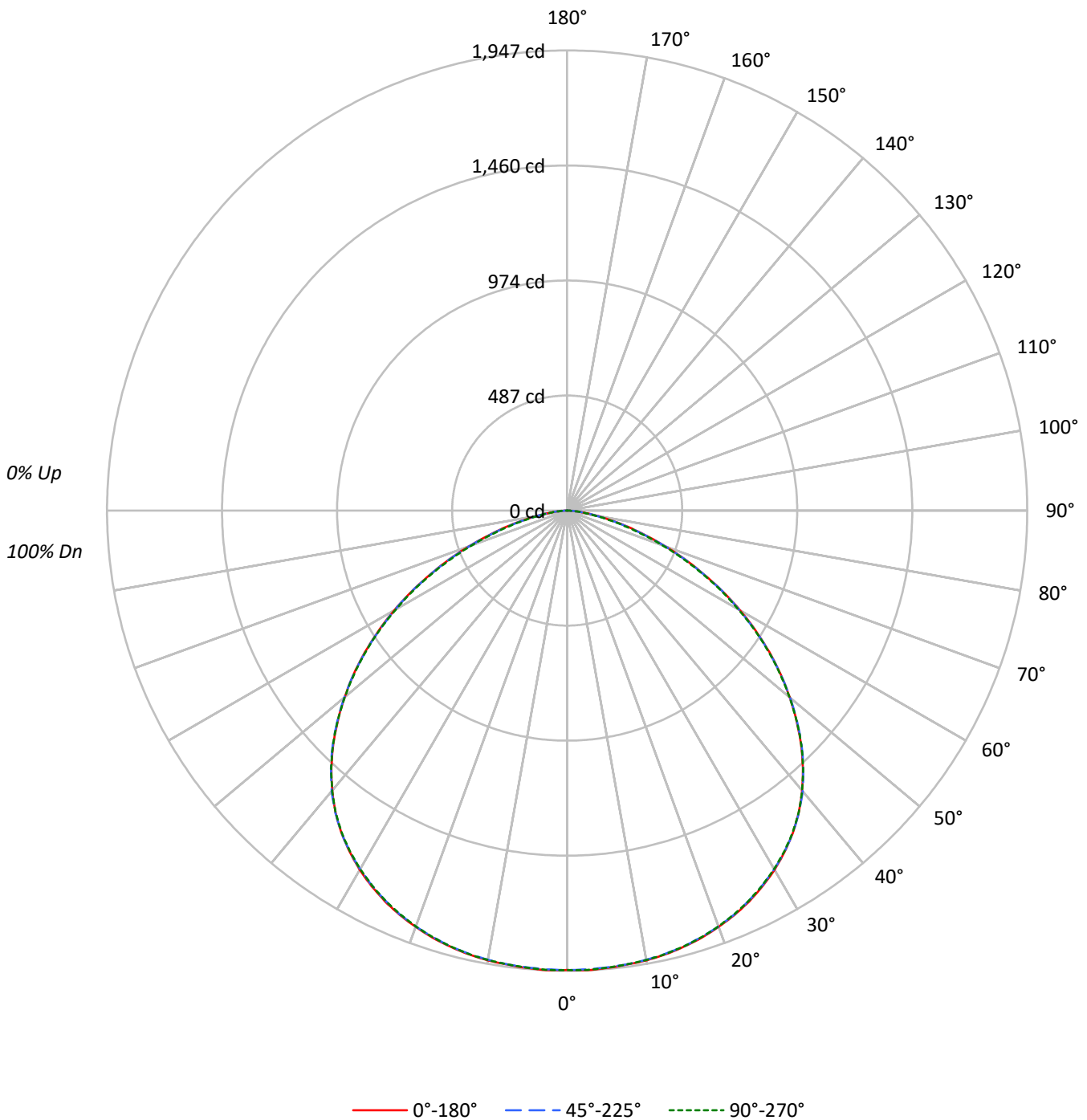
Test Method: LM-79-08  
Report Number: P412783  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-65-PP3-L940  
Description: 6500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5578.0 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43  
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 (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

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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48		59	53	47		57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5232	5232	5232
5°	5248	5241	5245
10°	5281	5273	5277
15°	5322	5317	5317
20°	5369	5363	5361
25°	5416	5406	5406
30°	5454	5444	5442
35°	5470	5470	5463
40°	5434	5446	5434
45°	5326	5341	5334
50°	5147	5155	5142
55°	4900	4888	4879
60°	4549	4538	4503
65°	4063	4059	4013
70°	3473	3452	3376
75°	2767	2687	2606
80°	1971	1931	1830
85°	1281	1281	1241



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.9	3.3
10°-20°	539.3	9.7
20°-30°	839.8	15.1
30°-40°	1039.4	18.6
40°-50°	1077.7	19.3
50°-60°	929.0	16.7
60°-70°	631.6	11.3
70°-80°	282.6	5.1
80°-90°	53.8	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°	1564.0	28.0
0°-40°	2603.3	46.7
0°-60°	4610.0	82.6
0°-90°	5578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5578.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1944	1944	1944	1944	1944	
5°	1943	1939	1940	1940	1942	185
15°	1910	1907	1908	1907	1908	540
25°	1824	1822	1821	1820	1821	841
35°	1665	1663	1665	1662	1663	1040
45°	1400	1398	1403	1400	1402	1077
55°	1044	1041	1042	1040	1040	931
65°	638	643	638	636	630	634
75°	266	267	258	257	251	286
85°	42	43	42	40	40	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1944.2	1944.2	1944.2	1944.2	1944.2
2.5°	1946.8	1942.9	1942.9	1943.5	1945.5
5°	1942.9	1939.0	1940.3	1939.6	1941.6
7.5°	1937.7	1934.4	1936.4	1935.1	1936.4
10°	1932.5	1929.3	1929.9	1929.3	1931.2
12.5°	1923.4	1919.5	1920.8	1920.8	1921.5
15°	1910.4	1907.2	1908.5	1907.2	1908.5
17.5°	1894.8	1891.0	1891.6	1891.0	1892.3
20°	1874.7	1872.1	1872.8	1871.5	1872.1
22.5°	1852.0	1848.8	1849.4	1848.1	1848.1
25°	1824.1	1821.5	1820.8	1820.2	1820.8
27.5°	1791.6	1788.4	1788.4	1787.7	1787.7
30°	1755.3	1752.0	1752.0	1751.4	1751.4
32.5°	1712.4	1711.1	1711.8	1710.5	1709.8
35°	1665.1	1663.1	1665.1	1662.5	1663.1
37.5°	1609.9	1607.3	1611.2	1608.6	1609.2
40°	1546.9	1545.6	1550.2	1548.2	1546.9
42.5°	1476.8	1476.8	1478.7	1479.4	1478.1
45°	1399.6	1398.3	1403.4	1400.2	1401.5
47.5°	1316.5	1314.5	1318.4	1317.8	1317.1
50°	1229.5	1228.2	1231.4	1228.2	1228.2
52.5°	1139.2	1138.6	1139.2	1136.0	1135.4
55°	1044.5	1040.6	1041.9	1039.9	1039.9
57.5°	945.8	941.3	941.9	941.3	941.9
60°	845.2	843.9	843.2	840.0	836.7
62.5°	742.0	743.3	742.6	738.1	734.8
65°	638.1	643.3	637.5	635.5	630.3
67.5°	540.1	542.0	538.1	533.6	527.8
70°	441.4	445.3	438.8	434.3	429.1
72.5°	347.3	349.9	344.0	341.4	335.0
75°	266.1	266.8	258.4	257.1	250.6
77.5°	189.5	192.1	185.7	185.7	179.2
80°	127.2	131.8	124.6	122.7	118.1
82.5°	79.8	80.5	78.5	76.6	74.7
85°	41.5	42.8	41.5	40.2	40.2
87.5°	15.6	16.2	15.6	14.9	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)