

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: P413111

Luminaire Tested: **22PD-60-PC3-L840**

Issue Date: 9/15/2020



**Test Information**

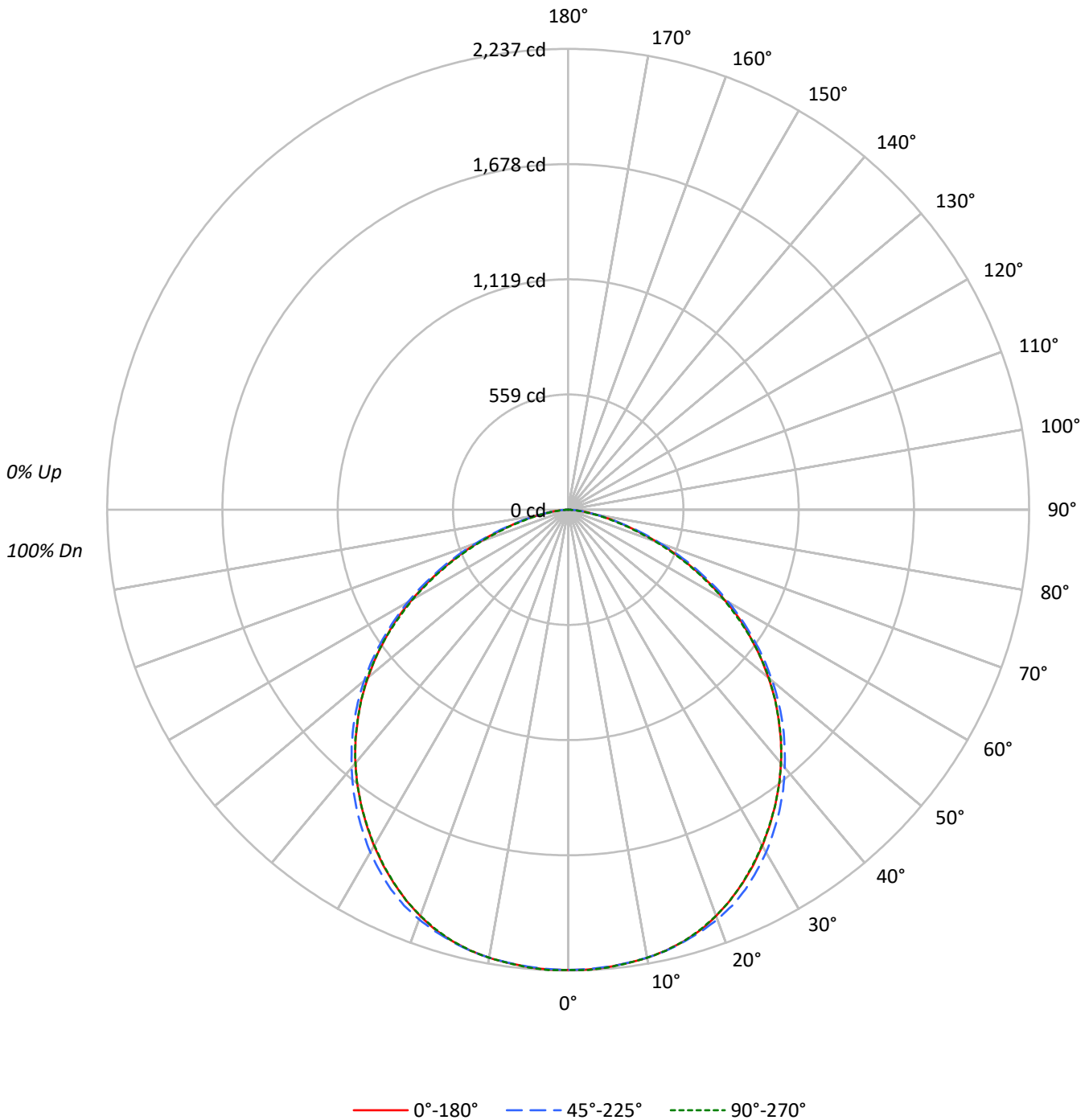
Test Method: LM-79-08  
Report Number: P413111  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-60-PC3-L840  
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6002.0 lumens  
Efficiency: N/A  
Efficacy: 112.0 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 (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	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°	6012	6012	6012
5°	6020	6016	6024
10°	6035	6033	6035
15°	6042	6050	6040
20°	6011	6060	6007
25°	5942	6039	5937
30°	5853	5968	5845
35°	5752	5866	5752
40°	5644	5744	5644
45°	5495	5603	5503
50°	5307	5411	5328
55°	5061	5161	5061
60°	4719	4838	4689
65°	4235	4385	4181
70°	3623	3751	3517
75°	2874	2955	2726
80°	2060	2137	1960
85°	1362	1405	1272



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.0	3.5
10°-20°	612.3	10.2
20°-30°	928.9	15.5
30°-40°	1109.4	18.5
40°-50°	1128.2	18.8
50°-60°	975.9	16.3
60°-70°	671.5	11.2
70°-80°	304.8	5.1
80°-90°	59.0	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°	1753.2	29.2
0°-40°	2862.6	47.7
0°-60°	4966.7	82.8
0°-90°	6002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6002.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2234	2234	2234	2234	2234	
5°	2228	2226	2227	2227	2230	212
15°	2169	2170	2172	2168	2168	612
25°	2001	2019	2034	2015	2000	922
35°	1751	1782	1786	1779	1751	1095
45°	1444	1470	1472	1471	1446	1114
55°	1079	1097	1100	1098	1079	964
65°	665	684	689	683	657	660
75°	276	287	284	281	262	297
85°	44	47	46	44	41	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2234.2	2234.2	2234.2	2234.2	2234.2
2.5°	2234.2	2231.3	2232.0	2232.8	2237.0
5°	2228.5	2226.4	2227.1	2227.1	2229.9
7.5°	2219.3	2218.5	2218.5	2217.8	2220.0
10°	2208.6	2207.2	2207.9	2207.2	2208.6
12.5°	2192.2	2192.2	2193.0	2190.8	2192.2
15°	2168.8	2170.2	2171.6	2168.1	2168.1
17.5°	2139.0	2142.5	2146.1	2139.7	2136.1
20°	2099.2	2107.7	2116.2	2106.3	2097.7
22.5°	2053.0	2067.2	2080.0	2064.3	2053.0
25°	2001.1	2018.9	2033.8	2015.3	1999.7
27.5°	1945.0	1964.9	1979.1	1963.4	1942.1
30°	1883.8	1908.0	1920.8	1905.9	1881.0
32.5°	1818.5	1846.9	1854.7	1845.5	1817.0
35°	1751.0	1782.2	1785.8	1779.4	1751.0
37.5°	1680.6	1710.5	1713.3	1709.7	1680.6
40°	1606.7	1634.4	1635.1	1635.1	1606.7
42.5°	1527.8	1554.8	1554.8	1554.1	1530.0
45°	1444.0	1470.3	1472.4	1471.0	1446.1
47.5°	1360.8	1380.7	1384.3	1381.4	1359.4
50°	1267.7	1288.3	1292.6	1289.8	1272.7
52.5°	1175.4	1194.5	1198.8	1196.7	1177.5
55°	1078.7	1097.2	1100.0	1097.9	1078.7
57.5°	985.6	997.7	1000.5	996.3	972.1
60°	876.9	894.0	898.9	894.0	871.2
62.5°	771.7	790.2	794.5	787.4	763.2
65°	665.1	683.6	688.6	682.9	656.6
67.5°	564.2	577.7	582.0	575.6	551.4
70°	460.5	477.5	476.8	468.3	447.0
72.5°	358.2	381.6	377.3	372.4	348.9
75°	276.4	287.1	284.2	281.4	262.2
77.5°	197.6	210.3	203.2	203.9	187.6
80°	132.9	145.0	137.9	135.0	126.5
82.5°	84.6	89.5	88.1	86.7	78.9
85°	44.1	46.9	45.5	44.1	41.2
87.5°	17.1	18.5	17.1	17.1	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)