

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: P412769

Luminaire Tested: **22PD-60-PP3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412769
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-60-PP3-L840
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

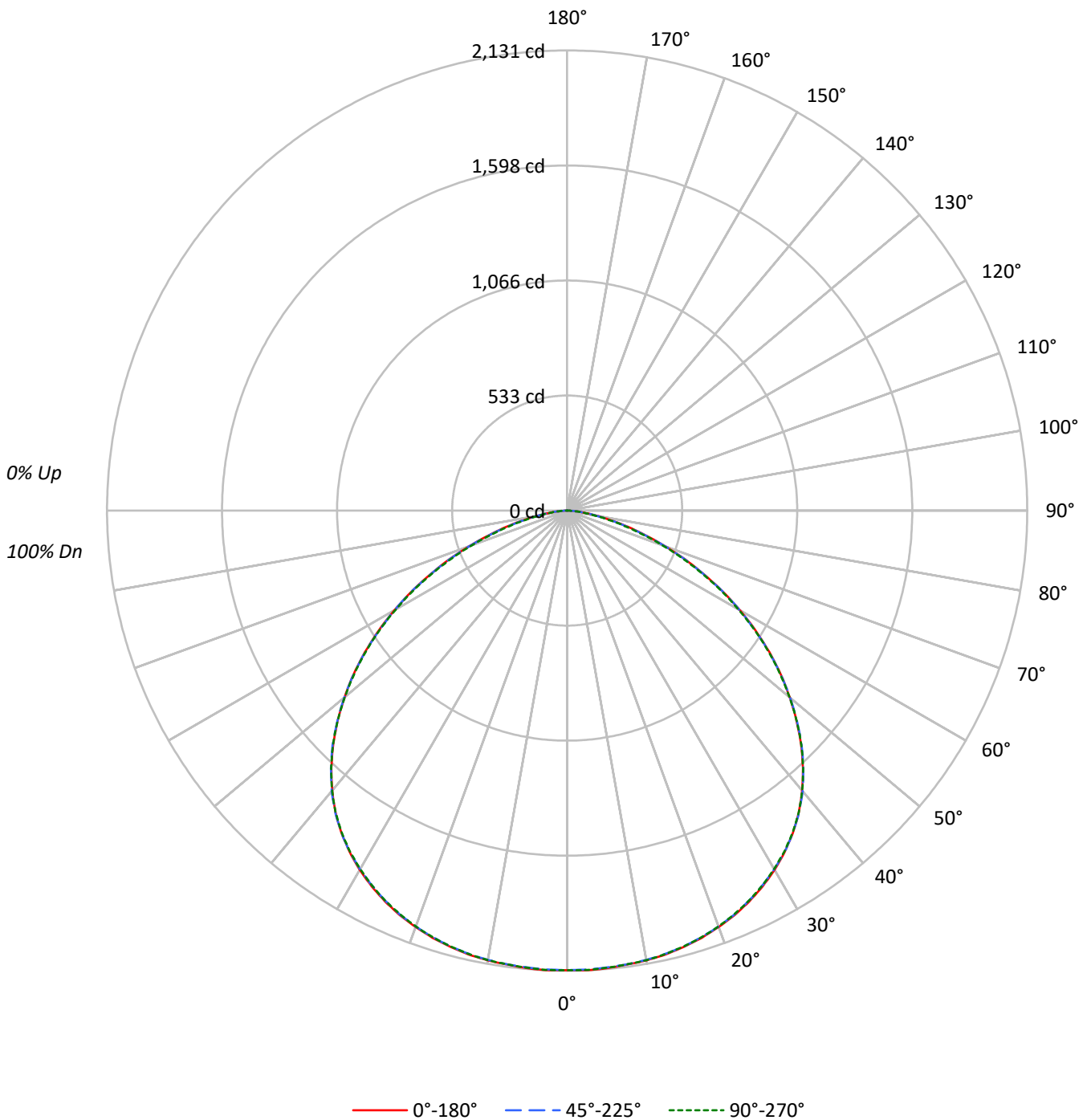
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6106.0 lumens
Efficiency: N/A
Efficacy: 113.9 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): 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	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°	5727	5727	5727
5°	5745	5737	5741
10°	5780	5773	5776
15°	5826	5820	5820
20°	5877	5871	5869
25°	5929	5918	5918
30°	5970	5959	5957
35°	5988	5988	5980
40°	5948	5961	5948
45°	5830	5847	5839
50°	5635	5643	5628
55°	5364	5351	5341
60°	4979	4968	4929
65°	4448	4443	4394
70°	3802	3780	3696
75°	3029	2940	2852
80°	2159	2114	2004
85°	1405	1405	1362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.4	3.3
10°-20°	590.4	9.7
20°-30°	919.3	15.1
30°-40°	1137.7	18.6
40°-50°	1179.8	19.3
50°-60°	1016.9	16.7
60°-70°	691.3	11.3
70°-80°	309.4	5.1
80°-90°	58.9	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°	1712.0	28.0
0°-40°	2849.7	46.7
0°-60°	5046.4	82.6
0°-90°	6106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6106.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2128	2128	2128	2128	2128	
5°	2127	2122	2124	2123	2125	203
15°	2091	2088	2089	2088	2089	591
25°	1997	1994	1993	1992	1993	921
35°	1823	1820	1823	1820	1820	1138
45°	1532	1531	1536	1533	1534	1179
55°	1143	1139	1140	1138	1138	1019
65°	698	704	698	696	690	694
75°	291	292	283	281	274	313
85°	46	47	46	44	44	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2128.2	2128.2	2128.2	2128.2	2128.2
2.5°	2131.1	2126.8	2126.8	2127.5	2129.6
5°	2126.8	2122.5	2123.9	2123.2	2125.4
7.5°	2121.1	2117.6	2119.7	2118.3	2119.7
10°	2115.4	2111.9	2112.6	2111.9	2114.0
12.5°	2105.5	2101.2	2102.6	2102.6	2103.3
15°	2091.3	2087.7	2089.1	2087.7	2089.1
17.5°	2074.2	2069.9	2070.7	2069.9	2071.4
20°	2052.2	2049.3	2050.0	2048.6	2049.3
22.5°	2027.3	2023.8	2024.5	2023.0	2023.0
25°	1996.8	1993.9	1993.2	1992.5	1993.2
27.5°	1961.2	1957.7	1957.7	1957.0	1957.0
30°	1921.4	1917.9	1917.9	1917.2	1917.2
32.5°	1874.5	1873.1	1873.8	1872.4	1871.7
35°	1822.7	1820.5	1822.7	1819.8	1820.5
37.5°	1762.3	1759.4	1763.7	1760.8	1761.5
40°	1693.3	1691.9	1696.9	1694.8	1693.3
42.5°	1616.6	1616.6	1618.7	1619.4	1618.0
45°	1532.0	1530.6	1536.3	1532.7	1534.2
47.5°	1441.1	1438.9	1443.2	1442.5	1441.8
50°	1345.9	1344.4	1348.0	1344.4	1344.4
52.5°	1247.1	1246.4	1247.1	1243.5	1242.8
55°	1143.3	1139.1	1140.5	1138.4	1138.4
57.5°	1035.3	1030.4	1031.1	1030.4	1031.1
60°	925.2	923.8	923.1	919.5	915.9
62.5°	812.2	813.6	812.9	807.9	804.4
65°	698.5	704.2	697.8	695.7	690.0
67.5°	591.2	593.3	589.1	584.1	577.7
70°	483.2	487.5	480.4	475.4	469.7
72.5°	380.2	383.0	376.6	373.8	366.7
75°	291.3	292.1	282.8	281.4	274.3
77.5°	207.5	210.3	203.2	203.2	196.1
80°	139.3	144.2	136.4	134.3	129.3
82.5°	87.4	88.1	86.0	83.8	81.7
85°	45.5	46.9	45.5	44.1	44.1
87.5°	17.1	17.8	17.1	16.3	17.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)