

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: P413110

Luminaire Tested: **22PD-60-PC3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413110
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-L835
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

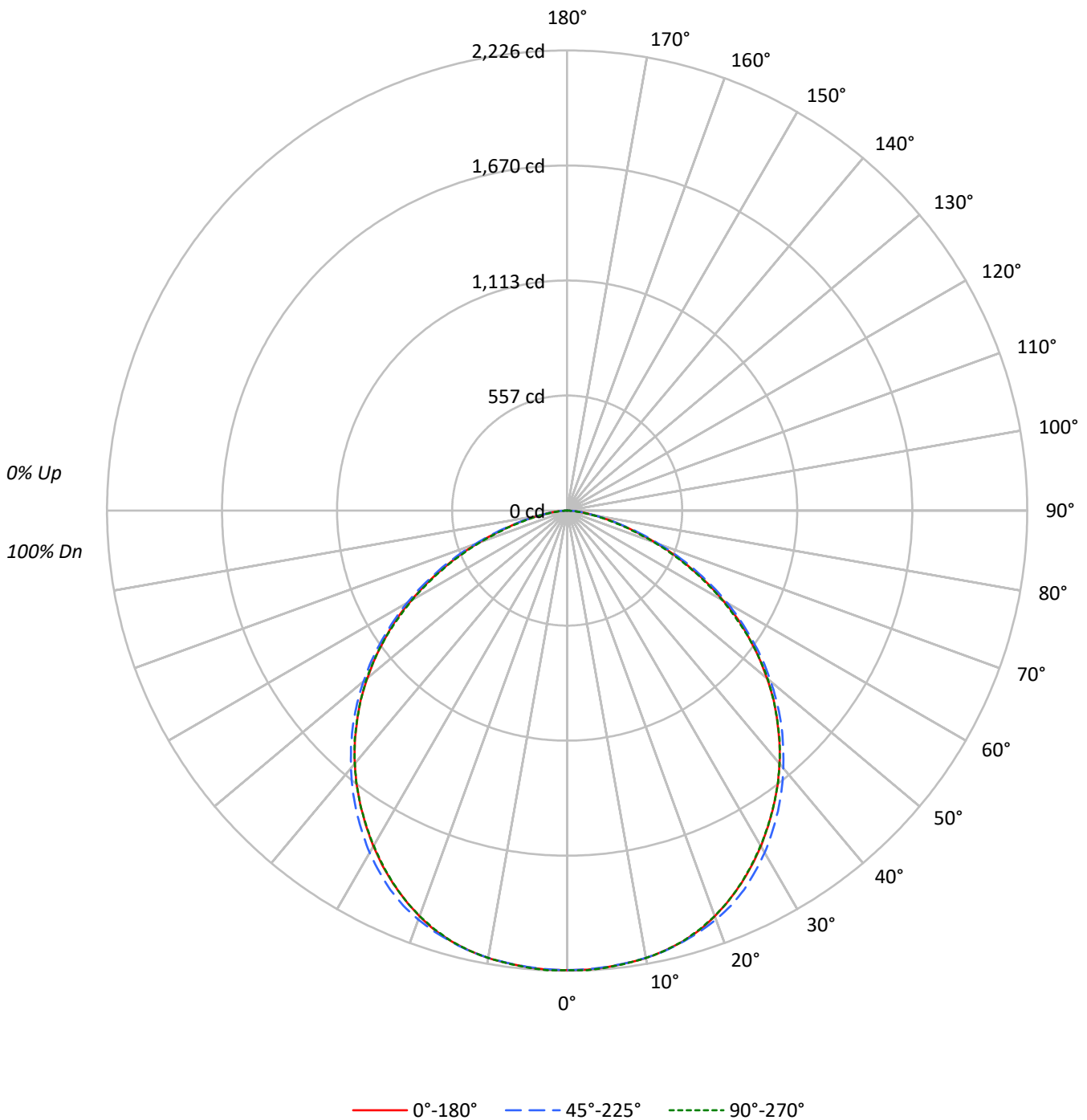
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5972.0 lumens
Efficiency: N/A
Efficacy: 111.4 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 (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°	5982	5982	5982
5°	5990	5986	5994
10°	6005	6003	6005
15°	6012	6020	6010
20°	5981	6030	5977
25°	5912	6008	5908
30°	5824	5939	5816
35°	5723	5837	5723
40°	5616	5715	5616
45°	5468	5575	5476
50°	5281	5384	5302
55°	5035	5135	5035
60°	4696	4814	4666
65°	4214	4362	4160
70°	3605	3733	3499
75°	2859	2940	2713
80°	2049	2126	1951
85°	1352	1399	1266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.9	3.5
10°-20°	609.2	10.2
20°-30°	924.3	15.5
30°-40°	1103.8	18.5
40°-50°	1122.6	18.8
50°-60°	971.0	16.3
60°-70°	668.2	11.2
70°-80°	303.2	5.1
80°-90°	58.7	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°	1744.4	29.2
0°-40°	2848.3	47.7
0°-60°	4941.9	82.8
0°-90°	5972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5972.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2223	2223	2223	2223	2223	
5°	2217	2215	2216	2216	2219	211
15°	2158	2159	2161	2157	2157	609
25°	1991	2009	2024	2005	1990	917
35°	1742	1773	1777	1770	1742	1090
45°	1437	1463	1465	1464	1439	1108
55°	1073	1092	1094	1092	1073	959
65°	662	680	685	680	653	657
75°	275	286	283	280	261	296
85°	44	47	45	44	41	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2223.0	2223.0	2223.0	2223.0	2223.0
2.5°	2223.0	2220.2	2220.9	2221.6	2225.8
5°	2217.4	2215.2	2215.9	2215.9	2218.8
7.5°	2208.2	2207.5	2207.5	2206.7	2208.9
10°	2197.6	2196.1	2196.8	2196.1	2197.6
12.5°	2181.3	2181.3	2182.0	2179.9	2181.3
15°	2158.0	2159.4	2160.8	2157.3	2157.3
17.5°	2128.3	2131.8	2135.3	2129.0	2125.4
20°	2088.7	2097.2	2105.6	2095.7	2087.3
22.5°	2042.7	2056.8	2069.6	2054.0	2042.7
25°	1991.1	2008.8	2023.6	2005.2	1989.7
27.5°	1935.2	1955.0	1969.2	1953.6	1932.4
30°	1874.4	1898.5	1911.2	1896.3	1871.6
32.5°	1809.4	1837.7	1845.4	1836.2	1808.0
35°	1742.2	1773.3	1776.9	1770.5	1742.2
37.5°	1672.2	1701.9	1704.7	1701.2	1672.2
40°	1598.7	1626.2	1627.0	1627.0	1598.7
42.5°	1520.2	1547.1	1547.1	1546.3	1522.3
45°	1436.8	1462.9	1465.0	1463.6	1438.9
47.5°	1354.0	1373.8	1377.4	1374.5	1352.6
50°	1261.4	1281.9	1286.1	1283.3	1266.4
52.5°	1169.5	1188.6	1192.8	1190.7	1171.6
55°	1073.3	1091.7	1094.5	1092.4	1073.3
57.5°	980.7	992.7	995.5	991.3	967.3
60°	872.5	889.5	894.4	889.5	866.9
62.5°	767.9	786.3	790.5	783.4	759.4
65°	661.8	680.2	685.1	679.5	653.3
67.5°	561.4	574.8	579.1	572.7	548.7
70°	458.2	475.1	474.4	466.0	444.7
72.5°	356.4	379.7	375.5	370.5	347.2
75°	275.0	285.7	282.8	280.0	260.9
77.5°	196.6	209.3	202.2	202.9	186.7
80°	132.2	144.2	137.2	134.3	125.9
82.5°	84.1	89.1	87.7	86.3	78.5
85°	43.8	46.7	45.3	43.8	41.0
87.5°	17.0	18.4	17.0	17.0	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)