

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: P412770

Luminaire Tested: **22PD-60-PP3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412770
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-L850
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

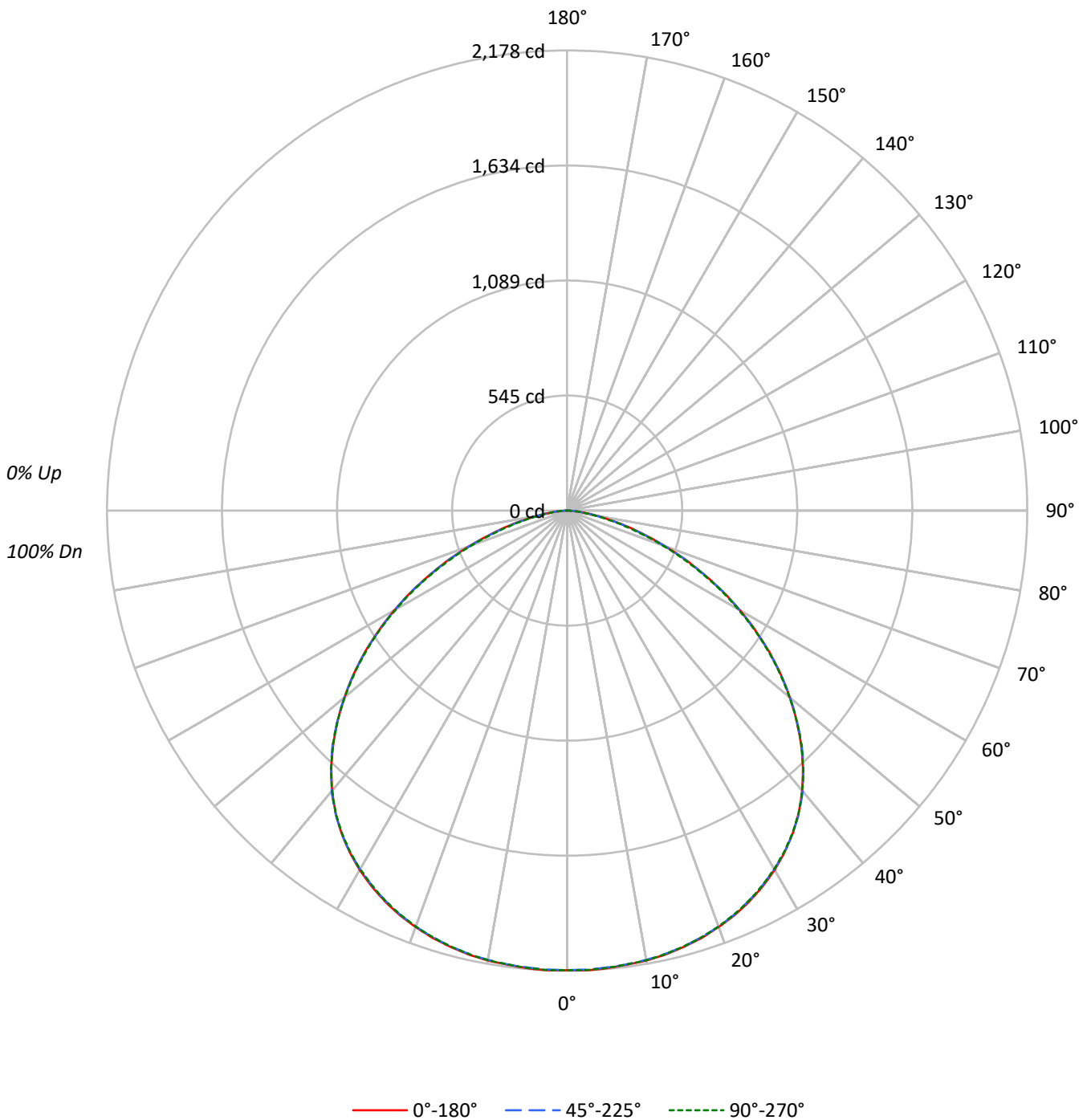
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6241.0 lumens
Efficiency: N/A
Efficacy: 116.4 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°	5854	5854	5854
5°	5872	5864	5868
10°	5908	5900	5904
15°	5955	5949	5949
20°	6007	6001	5998
25°	6060	6049	6049
30°	6102	6091	6089
35°	6120	6120	6113
40°	6080	6093	6080
45°	5959	5976	5968
50°	5759	5768	5753
55°	5483	5469	5459
60°	5089	5078	5039
65°	4546	4541	4490
70°	3886	3863	3777
75°	3096	3006	2915
80°	2207	2160	2049
85°	1436	1436	1389



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.9	3.3
10°-20°	603.4	9.7
20°-30°	939.6	15.1
30°-40°	1162.9	18.6
40°-50°	1205.8	19.3
50°-60°	1039.4	16.7
60°-70°	706.6	11.3
70°-80°	316.2	5.1
80°-90°	60.2	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°	1749.9	28.0
0°-40°	2912.8	46.7
0°-60°	5158.0	82.6
0°-90°	6241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6241.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2175	2175	2175	2175	2175	
5°	2174	2170	2171	2170	2172	207
15°	2138	2134	2135	2134	2135	604
25°	2041	2038	2037	2036	2037	941
35°	1863	1861	1863	1860	1861	1164
45°	1566	1564	1570	1567	1568	1205
55°	1169	1164	1166	1164	1164	1042
65°	714	720	713	711	705	709
75°	298	298	289	288	280	320
85°	46	48	46	45	45	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2175.3	2175.3	2175.3	2175.3	2175.3
2.5°	2178.2	2173.8	2173.8	2174.5	2176.7
5°	2173.8	2169.5	2170.9	2170.2	2172.4
7.5°	2168.0	2164.4	2166.6	2165.1	2166.6
10°	2162.2	2158.6	2159.3	2158.6	2160.7
12.5°	2152.0	2147.7	2149.1	2149.1	2149.8
15°	2137.5	2133.9	2135.3	2133.9	2135.3
17.5°	2120.1	2115.7	2116.4	2115.7	2117.2
20°	2097.6	2094.6	2095.4	2093.9	2094.6
22.5°	2072.1	2068.5	2069.2	2067.8	2067.8
25°	2040.9	2038.0	2037.3	2036.5	2037.3
27.5°	2004.6	2001.0	2001.0	2000.2	2000.2
30°	1963.9	1960.3	1960.3	1959.6	1959.6
32.5°	1916.0	1914.5	1915.3	1913.8	1913.1
35°	1863.0	1860.8	1863.0	1860.1	1860.8
37.5°	1801.2	1798.3	1802.7	1799.8	1800.5
40°	1730.8	1729.3	1734.4	1732.2	1730.8
42.5°	1652.3	1652.3	1654.5	1655.2	1653.8
45°	1565.9	1564.4	1570.3	1566.6	1568.1
47.5°	1472.9	1470.8	1475.1	1474.4	1473.7
50°	1375.6	1374.2	1377.8	1374.2	1374.2
52.5°	1274.7	1273.9	1274.7	1271.0	1270.3
55°	1168.6	1164.3	1165.7	1163.5	1163.5
57.5°	1058.2	1053.1	1053.9	1053.1	1053.9
60°	945.6	944.2	943.5	939.8	936.2
62.5°	830.2	831.6	830.9	825.8	822.2
65°	714.0	719.8	713.2	711.0	705.2
67.5°	604.3	606.5	602.1	597.0	590.5
70°	493.9	498.2	491.0	485.9	480.1
72.5°	388.6	391.5	384.9	382.0	374.8
75°	297.8	298.5	289.1	287.6	280.4
77.5°	212.1	215.0	207.7	207.7	200.5
80°	142.4	147.4	139.4	137.3	132.2
82.5°	89.3	90.1	87.9	85.7	83.5
85°	46.5	47.9	46.5	45.0	45.0
87.5°	17.4	18.2	17.4	16.7	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)