

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: P412888

Luminaire Tested: **24PD-60-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-60-PP3-L927
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

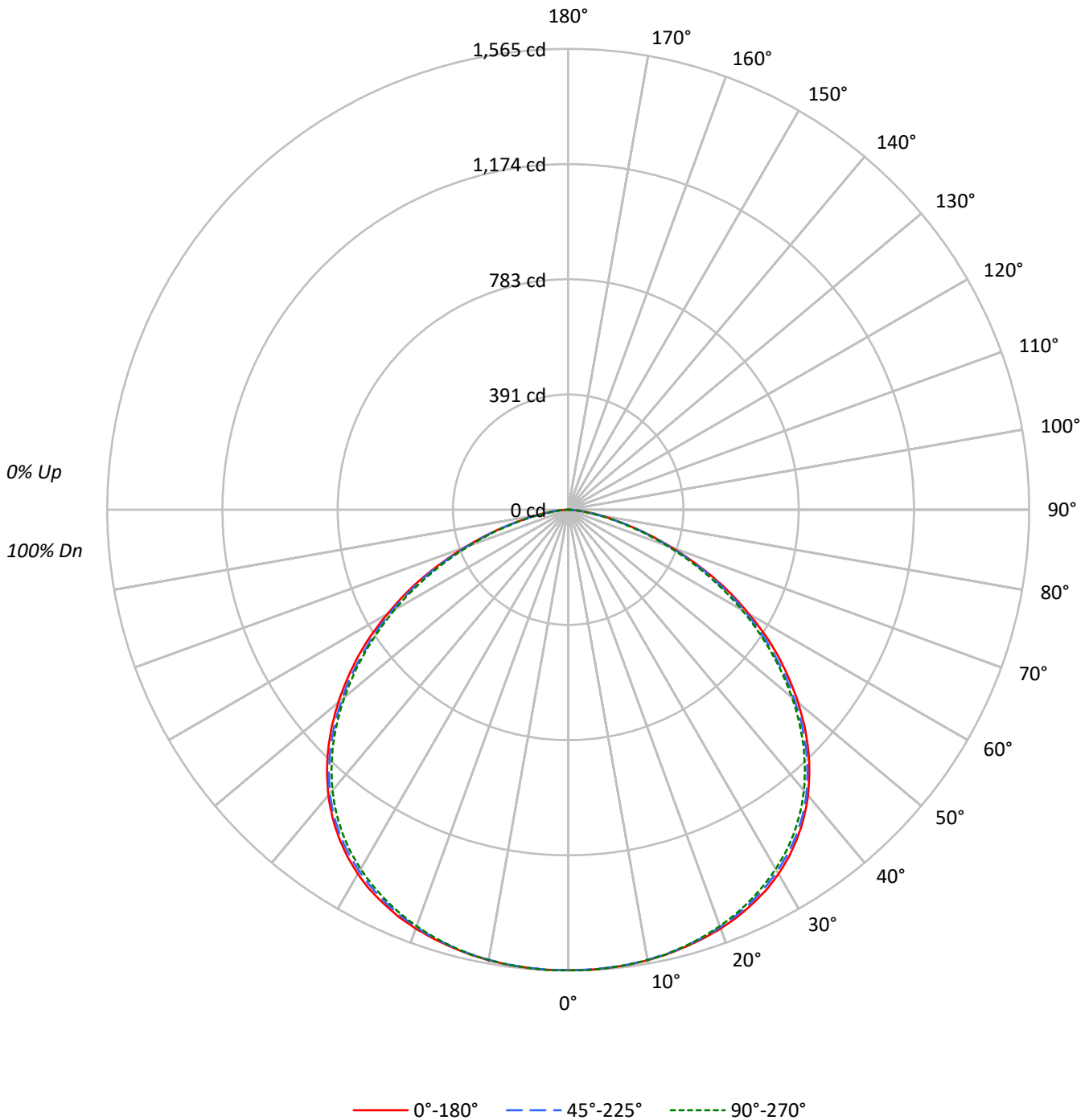
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4550.0 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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	86	81	77		83	79	75		80	77	74	71
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71	66	63	60
4	83	72	63	56	81	70	62	56	68	61	55		65	59	54		63	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48		59	52	47		57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32	31
9	57	44	35	30	55	43	35	30	42	35	30		41	34	29		40	34	29	27
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°	2104	2104	2104
5°	2110	2109	2110
10°	2123	2120	2122
15°	2141	2138	2137
20°	2167	2160	2155
25°	2195	2183	2173
30°	2219	2203	2189
35°	2231	2217	2197
40°	2225	2211	2187
45°	2193	2172	2148
50°	2133	2099	2077
55°	2045	1996	1970
60°	1905	1872	1834
65°	1727	1692	1643
70°	1474	1447	1400
75°	1151	1140	1085
80°	849	814	768
85°	513	513	477



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.8	3.3
10°-20°	434.1	9.5
20°-30°	678.5	14.9
30°-40°	843.3	18.5
40°-50°	878.6	19.3
50°-60°	762.4	16.8
60°-70°	524.2	11.5
70°-80°	236.6	5.2
80°-90°	43.4	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°	1261.4	27.7
0°-40°	2104.7	46.3
0°-60°	3745.8	82.3
0°-90°	4550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4550.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1564	1564	1564	1564	1564	
5°	1562	1562	1561	1560	1562	149
15°	1537	1537	1535	1534	1534	435
25°	1478	1478	1470	1465	1464	682
35°	1358	1358	1350	1342	1338	849
45°	1153	1153	1141	1133	1129	887
55°	872	867	851	841	840	777
65°	542	540	532	519	516	535
75°	221	222	219	213	209	241
85°	33	33	33	33	31	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1563.7	1563.7	1563.7	1563.7	1563.7
2.5°	1564.2	1564.2	1563.2	1561.9	1565.1
5°	1561.9	1562.3	1561.4	1560.1	1562.3
7.5°	1558.7	1559.2	1557.8	1556.4	1558.2
10°	1553.7	1553.2	1551.9	1551.0	1553.2
12.5°	1546.4	1546.0	1544.6	1543.7	1545.5
15°	1537.3	1537.3	1535.1	1533.7	1534.1
17.5°	1526.4	1526.4	1523.2	1520.1	1521.0
20°	1513.7	1513.2	1508.7	1505.5	1505.0
22.5°	1497.8	1497.8	1491.4	1487.3	1485.9
25°	1478.2	1477.8	1470.5	1464.6	1463.7
27.5°	1455.9	1455.0	1446.4	1440.5	1438.2
30°	1428.2	1427.3	1418.2	1411.8	1409.1
32.5°	1395.5	1396.8	1386.4	1379.1	1376.4
35°	1358.2	1358.2	1350.0	1342.3	1337.7
37.5°	1315.4	1315.4	1307.7	1300.0	1294.5
40°	1266.8	1267.2	1259.1	1249.5	1245.0
42.5°	1212.2	1213.1	1202.2	1194.5	1189.5
45°	1152.7	1153.1	1141.3	1132.6	1128.6
47.5°	1088.1	1087.2	1074.0	1066.7	1062.6
50°	1019.0	1017.2	1002.6	995.8	992.1
52.5°	946.7	943.0	930.3	920.3	917.1
55°	871.7	866.7	850.7	840.7	839.8
57.5°	793.4	787.5	774.3	764.8	761.2
60°	708.0	706.6	695.7	684.3	681.6
62.5°	627.9	623.8	614.3	600.7	599.3
65°	542.5	540.2	531.5	518.8	516.1
67.5°	454.2	456.5	449.2	437.9	434.2
70°	374.7	376.0	367.8	357.4	356.0
72.5°	294.6	296.9	290.1	283.3	281.9
75°	221.4	222.3	219.2	213.3	208.7
77.5°	157.3	160.5	156.9	152.8	149.1
80°	109.6	104.6	105.0	103.2	99.1
82.5°	65.9	63.7	63.2	61.4	59.6
85°	33.2	32.7	33.2	32.7	30.9
87.5°	10.9	11.8	12.3	12.3	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)