

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: P412839

Luminaire Tested: **24PD-35-PP3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412839
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-35-PP3-L830
Description: 3500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

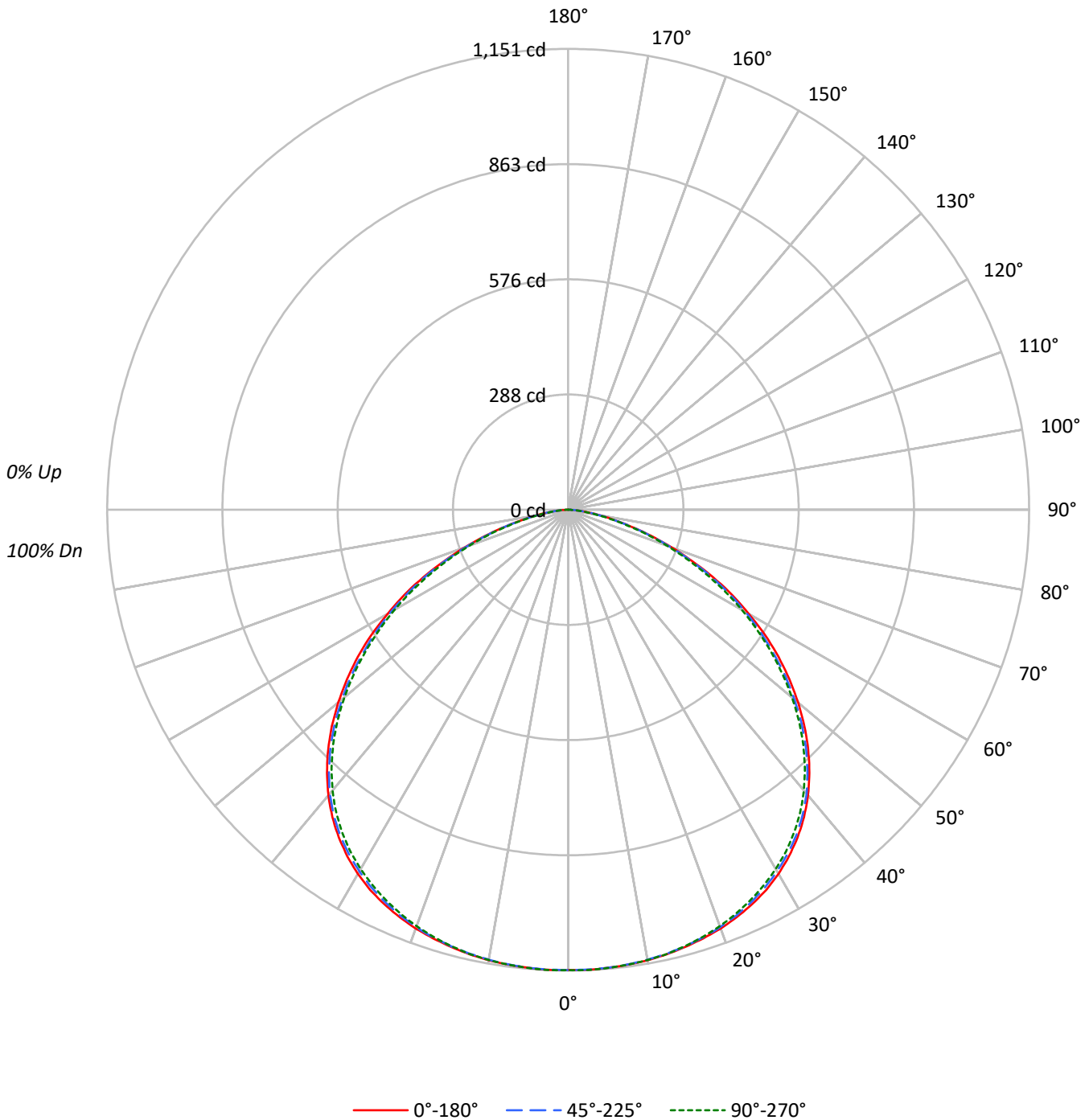
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3346.0 lumens
Efficiency: N/A
Efficacy: 129.7 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): 25.8
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°	1547	1547	1547
5°	1551	1551	1552
10°	1561	1559	1561
15°	1575	1573	1572
20°	1594	1589	1585
25°	1614	1605	1598
30°	1632	1620	1610
35°	1641	1631	1616
40°	1636	1626	1608
45°	1613	1597	1579
50°	1568	1543	1527
55°	1504	1468	1449
60°	1401	1377	1349
65°	1270	1245	1208
70°	1084	1064	1030
75°	846	838	798
80°	625	598	565
85°	377	377	350



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	3.3
10°-20°	319.2	9.5
20°-30°	499.0	14.9
30°-40°	620.2	18.5
40°-50°	646.1	19.3
50°-60°	560.7	16.8
60°-70°	385.5	11.5
70°-80°	174.0	5.2
80°-90°	31.9	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°	927.6	27.7
0°-40°	1547.8	46.3
0°-60°	2754.6	82.3
0°-90°	3346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3346.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1150	1150	1150	1150	1150	
5°	1149	1149	1148	1147	1149	109
15°	1130	1130	1129	1128	1128	320
25°	1087	1087	1081	1077	1076	501
35°	999	999	993	987	984	624
45°	848	848	839	833	830	652
55°	641	637	626	618	618	571
65°	399	397	391	382	380	394
75°	163	164	161	157	154	177
85°	24	24	24	24	23	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1150.3	1150.3	1149.6	1148.6	1150.9
5°	1148.6	1148.9	1148.3	1147.2	1148.9
7.5°	1146.2	1146.6	1145.6	1144.6	1145.9
10°	1142.6	1142.2	1141.2	1140.6	1142.2
12.5°	1137.2	1136.9	1135.9	1135.2	1136.5
15°	1130.5	1130.5	1128.9	1127.9	1128.2
17.5°	1122.5	1122.5	1120.2	1117.8	1118.5
20°	1113.1	1112.8	1109.5	1107.1	1106.8
22.5°	1101.4	1101.4	1096.8	1093.7	1092.7
25°	1087.1	1086.7	1081.4	1077.0	1076.4
27.5°	1070.7	1070.0	1063.7	1059.3	1057.6
30°	1050.3	1049.6	1042.9	1038.2	1036.2
32.5°	1026.2	1027.2	1019.5	1014.2	1012.2
35°	998.8	998.8	992.8	987.1	983.7
37.5°	967.4	967.4	961.7	956.0	952.0
40°	931.6	931.9	925.9	918.9	915.5
42.5°	891.4	892.1	884.1	878.4	874.7
45°	847.6	848.0	839.3	832.9	829.9
47.5°	800.2	799.5	789.8	784.4	781.4
50°	749.3	748.0	737.3	732.3	729.6
52.5°	696.2	693.5	684.1	676.8	674.4
55°	641.0	637.3	625.6	618.3	617.6
57.5°	583.5	579.1	569.4	562.4	559.7
60°	520.6	519.6	511.6	503.2	501.2
62.5°	461.8	458.8	451.7	441.7	440.7
65°	398.9	397.2	390.9	381.5	379.5
67.5°	334.0	335.7	330.4	322.0	319.3
70°	275.5	276.5	270.5	262.8	261.8
72.5°	216.7	218.3	213.3	208.3	207.3
75°	162.8	163.5	161.2	156.8	153.5
77.5°	115.7	118.0	115.4	112.4	109.7
80°	80.6	76.9	77.2	75.9	72.9
82.5°	48.5	46.8	46.5	45.1	43.8
85°	24.4	24.1	24.4	24.1	22.7
87.5°	8.0	8.7	9.0	9.0	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)