

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: P412736

Luminaire Tested: **22PD-40-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412736
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-40-PP3-L930
Description: 4000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

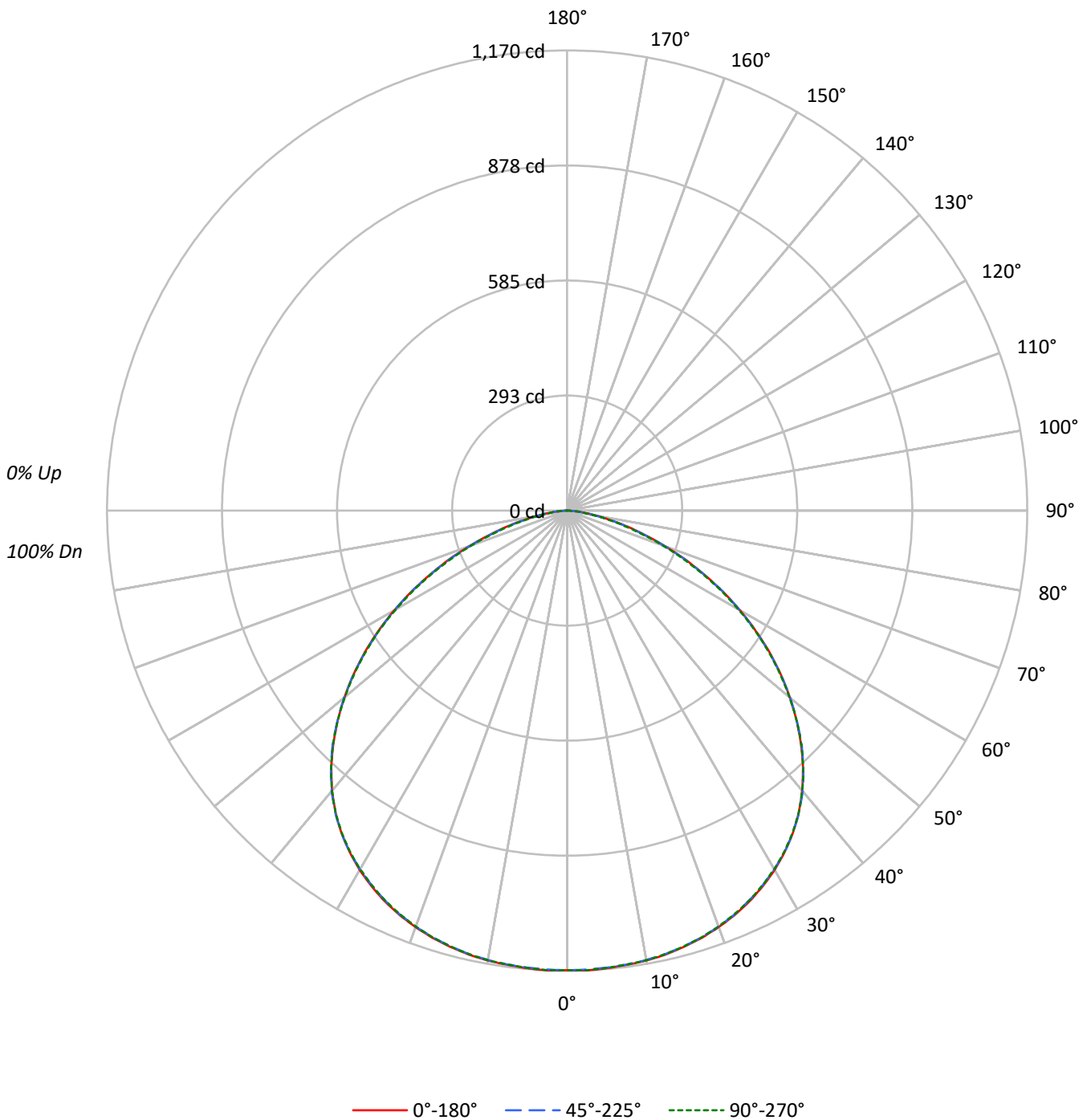
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3353.0 lumens
Efficiency: N/A
Efficacy: 99.2 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): 33.8
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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45					45			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39					39			
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31					31			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28					28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3145	3145	3145
5°	3155	3150	3153
10°	3174	3170	3172
15°	3199	3196	3196
20°	3227	3224	3223
25°	3256	3250	3250
30°	3278	3273	3271
35°	3288	3288	3284
40°	3267	3273	3267
45°	3202	3210	3206
50°	3094	3099	3091
55°	2945	2938	2933
60°	2734	2728	2707
65°	2443	2440	2413
70°	2087	2076	2029
75°	1664	1615	1566
80°	1185	1161	1100
85°	772	772	747



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	3.3
10°-20°	324.2	9.7
20°-30°	504.8	15.1
30°-40°	624.8	18.6
40°-50°	647.8	19.3
50°-60°	558.4	16.7
60°-70°	379.6	11.3
70°-80°	169.9	5.1
80°-90°	32.4	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°	940.1	28.0
0°-40°	1564.9	46.7
0°-60°	2771.1	82.6
0°-90°	3353.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3353.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1169	1169	1169	1169	1169	
5°	1168	1166	1166	1166	1167	111
15°	1148	1146	1147	1146	1147	325
25°	1096	1095	1094	1094	1094	506
35°	1001	1000	1001	999	1000	625
45°	841	840	844	842	842	648
55°	628	626	626	625	625	560
65°	384	387	383	382	379	381
75°	160	160	155	154	151	172
85°	25	26	25	24	24	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1168.7	1168.7	1168.7	1168.7	1168.7
2.5°	1170.2	1167.9	1167.9	1168.3	1169.5
5°	1167.9	1165.5	1166.3	1165.9	1167.1
7.5°	1164.8	1162.8	1164.0	1163.2	1164.0
10°	1161.6	1159.7	1160.1	1159.7	1160.9
12.5°	1156.2	1153.8	1154.6	1154.6	1155.0
15°	1148.4	1146.4	1147.2	1146.4	1147.2
17.5°	1139.0	1136.7	1137.1	1136.7	1137.5
20°	1126.9	1125.4	1125.7	1125.0	1125.4
22.5°	1113.3	1111.3	1111.7	1110.9	1110.9
25°	1096.5	1094.9	1094.5	1094.1	1094.5
27.5°	1077.0	1075.0	1075.0	1074.6	1074.6
30°	1055.1	1053.2	1053.2	1052.8	1052.8
32.5°	1029.4	1028.6	1029.0	1028.2	1027.8
35°	1000.9	999.7	1000.9	999.3	999.7
37.5°	967.7	966.2	968.5	966.9	967.3
40°	929.9	929.1	931.8	930.6	929.9
42.5°	887.7	887.7	888.9	889.3	888.5
45°	841.3	840.5	843.6	841.7	842.5
47.5°	791.3	790.2	792.5	792.1	791.7
50°	739.1	738.3	740.2	738.3	738.3
52.5°	684.8	684.4	684.8	682.9	682.5
55°	627.8	625.5	626.3	625.1	625.1
57.5°	568.5	565.8	566.2	565.8	566.2
60°	508.0	507.3	506.9	504.9	503.0
62.5°	446.0	446.8	446.4	443.7	441.7
65°	383.6	386.7	383.2	382.0	378.9
67.5°	324.7	325.8	323.5	320.8	317.2
70°	265.3	267.7	263.8	261.0	257.9
72.5°	208.8	210.3	206.8	205.2	201.3
75°	160.0	160.4	155.3	154.5	150.6
77.5°	113.9	115.5	111.6	111.6	107.7
80°	76.5	79.2	74.9	73.7	71.0
82.5°	48.0	48.4	47.2	46.0	44.9
85°	25.0	25.8	25.0	24.2	24.2
87.5°	9.4	9.8	9.4	9.0	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)