

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: P412835

Luminaire Tested: **24PD-30-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412835
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-30-PP3-L930
Description: 3000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

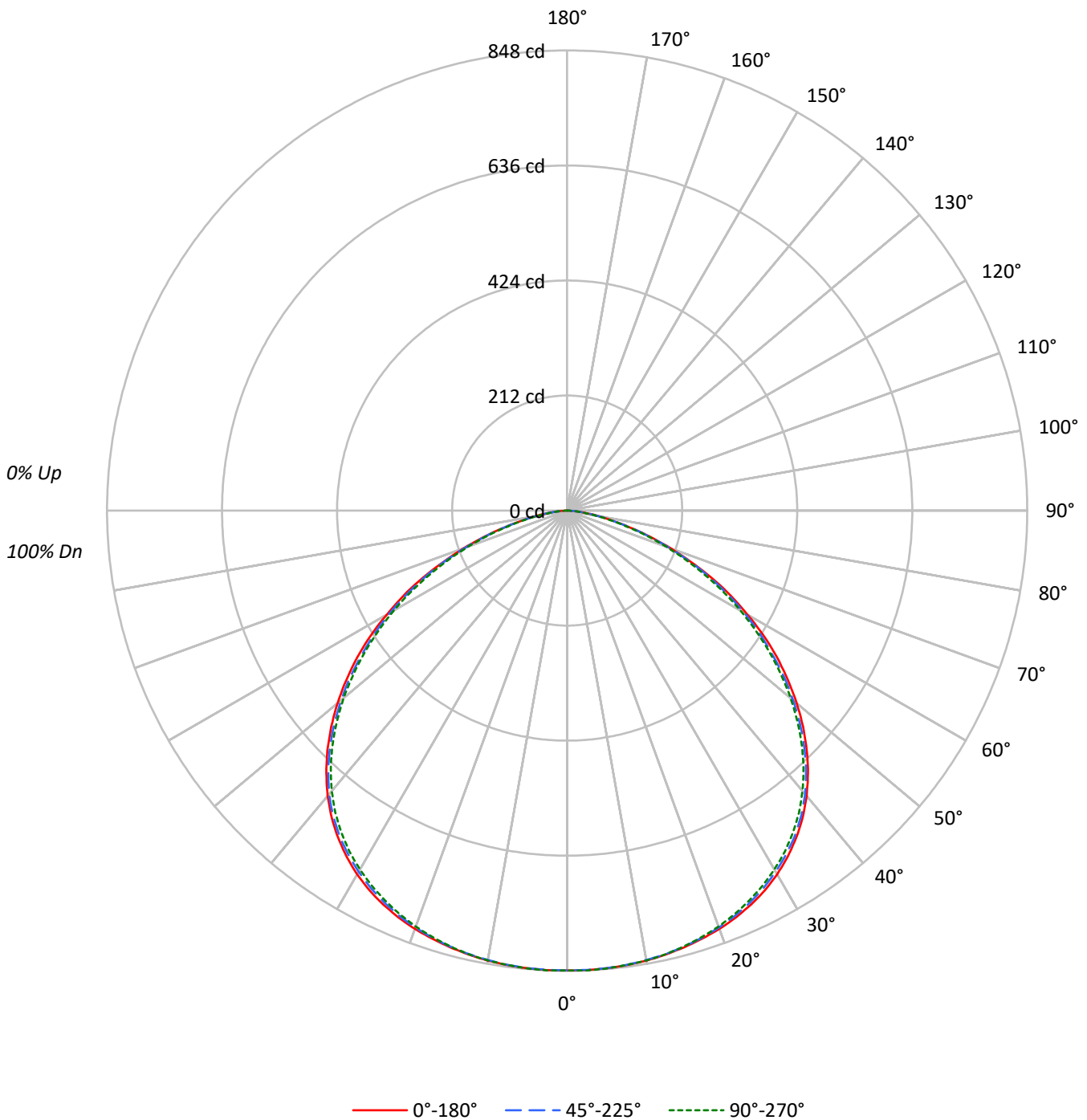
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2466.0 lumens
Efficiency: N/A
Efficacy: 112.1 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): 22
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°	1140	1140	1140
5°	1143	1143	1144
10°	1151	1149	1150
15°	1161	1159	1158
20°	1175	1171	1168
25°	1189	1183	1178
30°	1203	1194	1187
35°	1209	1202	1191
40°	1206	1199	1185
45°	1189	1177	1164
50°	1156	1137	1126
55°	1108	1082	1068
60°	1033	1014	994
65°	936	917	890
70°	799	784	759
75°	624	618	588
80°	460	441	416
85°	278	278	259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	3.3
10°-20°	235.3	9.5
20°-30°	367.8	14.9
30°-40°	457.0	18.5
40°-50°	476.2	19.3
50°-60°	413.2	16.8
60°-70°	284.1	11.5
70°-80°	128.2	5.2
80°-90°	23.5	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°	683.7	27.7
0°-40°	1140.7	46.3
0°-60°	2030.2	82.3
0°-90°	2466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2466.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	848	848	848	848	848	
5°	846	847	846	846	847	81
15°	833	833	832	831	832	236
25°	801	801	797	794	793	370
35°	736	736	732	728	725	460
45°	625	625	619	614	612	481
55°	472	470	461	456	455	421
65°	294	293	288	281	280	290
75°	120	120	119	116	113	131
85°	18	18	18	18	17	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	847.5	847.5	847.5	847.5	847.5
2.5°	847.7	847.7	847.2	846.5	848.2
5°	846.5	846.8	846.3	845.5	846.8
7.5°	844.8	845.0	844.3	843.5	844.5
10°	842.1	841.8	841.1	840.6	841.8
12.5°	838.1	837.9	837.1	836.6	837.6
15°	833.2	833.2	832.0	831.2	831.5
17.5°	827.3	827.3	825.6	823.8	824.3
20°	820.4	820.1	817.7	815.9	815.7
22.5°	811.8	811.8	808.3	806.1	805.4
25°	801.2	800.9	797.0	793.8	793.3
27.5°	789.1	788.6	783.9	780.7	779.5
30°	774.1	773.6	768.6	765.2	763.7
32.5°	756.3	757.1	751.4	747.4	746.0
35°	736.1	736.1	731.7	727.5	725.0
37.5°	712.9	712.9	708.7	704.6	701.6
40°	686.6	686.8	682.4	677.2	674.7
42.5°	657.0	657.5	651.6	647.4	644.7
45°	624.7	625.0	618.6	613.9	611.7
47.5°	589.7	589.2	582.1	578.1	575.9
50°	552.3	551.3	543.4	539.7	537.7
52.5°	513.1	511.1	504.2	498.8	497.1
55°	472.4	469.7	461.1	455.7	455.2
57.5°	430.0	426.8	419.7	414.5	412.5
60°	383.7	383.0	377.0	370.9	369.4
62.5°	340.3	338.1	332.9	325.5	324.8
65°	294.0	292.8	288.1	281.2	279.7
67.5°	246.2	247.4	243.5	237.3	235.3
70°	203.1	203.8	199.4	193.7	193.0
72.5°	159.7	160.9	157.2	153.5	152.8
75°	120.0	120.5	118.8	115.6	113.1
77.5°	85.3	87.0	85.0	82.8	80.8
80°	59.4	56.7	56.9	55.9	53.7
82.5°	35.7	34.5	34.3	33.3	32.3
85°	18.0	17.7	18.0	17.7	16.8
87.5°	5.9	6.4	6.7	6.7	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)