

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: P413078

Luminaire Tested: **22PD-40-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-40-PC3-L930
Description: 4000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

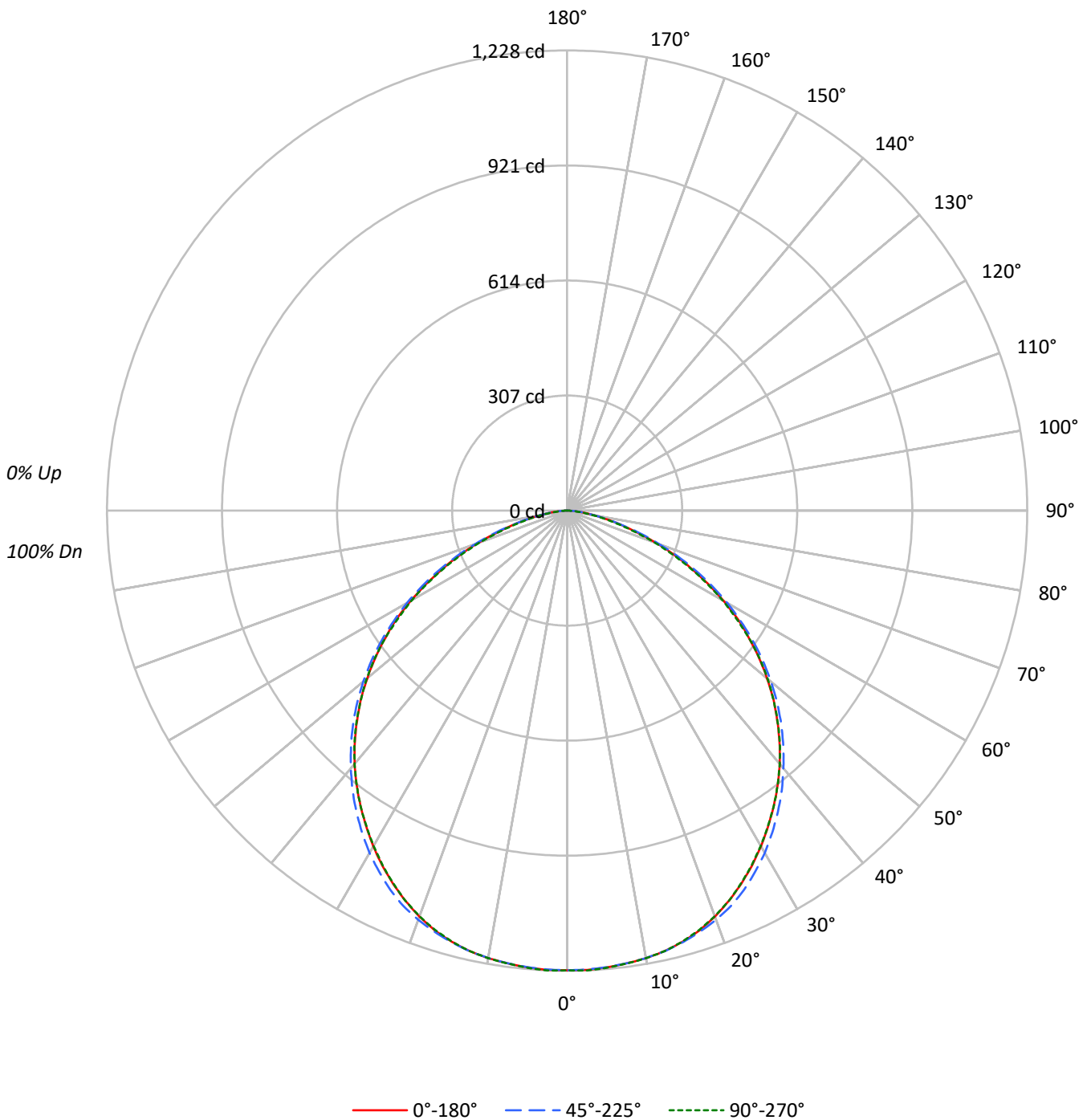
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3296.0 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3302	3302	3302
5°	3306	3304	3308
10°	3314	3313	3314
15°	3318	3322	3317
20°	3301	3328	3299
25°	3263	3316	3260
30°	3214	3278	3210
35°	3159	3222	3159
40°	3099	3154	3099
45°	3018	3077	3022
50°	2915	2972	2926
55°	2779	2834	2779
60°	2591	2657	2575
65°	2326	2408	2296
70°	1990	2060	1932
75°	1578	1623	1497
80°	1131	1173	1077
85°	747	772	698



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	3.5
10°-20°	336.2	10.2
20°-30°	510.1	15.5
30°-40°	609.2	18.5
40°-50°	619.6	18.8
50°-60°	535.9	16.3
60°-70°	368.8	11.2
70°-80°	167.4	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°	962.8	29.2
0°-40°	1572.0	47.7
0°-60°	2727.5	82.8
0°-90°	3296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3296.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1227	1227	1227	1227	1227	
5°	1224	1223	1223	1223	1225	116
15°	1191	1192	1193	1191	1191	336
25°	1099	1109	1117	1107	1098	506
35°	962	979	981	977	962	601
45°	793	807	809	808	794	612
55°	592	602	604	603	592	529
65°	365	375	378	375	361	362
75°	152	158	156	154	144	163
85°	24	26	25	24	23	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1226.9	1226.9	1226.9	1226.9	1226.9
2.5°	1226.9	1225.3	1225.7	1226.1	1228.5
5°	1223.8	1222.6	1223.0	1223.0	1224.6
7.5°	1218.7	1218.3	1218.3	1217.9	1219.1
10°	1212.8	1212.1	1212.5	1212.1	1212.8
12.5°	1203.9	1203.9	1204.3	1203.1	1203.9
15°	1191.0	1191.8	1192.6	1190.6	1190.6
17.5°	1174.6	1176.6	1178.5	1175.0	1173.0
20°	1152.8	1157.4	1162.1	1156.7	1152.0
22.5°	1127.4	1135.2	1142.2	1133.6	1127.4
25°	1098.9	1108.7	1116.9	1106.7	1098.1
27.5°	1068.1	1079.0	1086.8	1078.2	1066.5
30°	1034.5	1047.8	1054.8	1046.6	1033.0
32.5°	998.6	1014.2	1018.5	1013.4	997.8
35°	961.5	978.7	980.7	977.1	961.5
37.5°	922.9	939.3	940.9	938.9	922.9
40°	882.3	897.5	897.9	897.9	882.3
42.5°	839.0	853.8	853.8	853.4	840.2
45°	793.0	807.4	808.6	807.8	794.1
47.5°	747.3	758.2	760.2	758.6	746.5
50°	696.2	707.5	709.8	708.3	698.9
52.5°	645.4	656.0	658.3	657.2	646.6
55°	592.4	602.5	604.1	602.9	592.4
57.5°	541.3	547.9	549.5	547.1	533.8
60°	481.5	490.9	493.6	490.9	478.4
62.5°	423.8	433.9	436.3	432.4	419.1
65°	365.3	375.4	378.1	375.0	360.6
67.5°	309.8	317.3	319.6	316.1	302.8
70°	252.9	262.2	261.8	257.2	245.5
72.5°	196.7	209.6	207.2	204.5	191.6
75°	151.8	157.7	156.1	154.5	144.0
77.5°	108.5	115.5	111.6	112.0	103.0
80°	73.0	79.6	75.7	74.1	69.5
82.5°	46.4	49.2	48.4	47.6	43.3
85°	24.2	25.8	25.0	24.2	22.6
87.5°	9.4	10.1	9.4	9.4	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)