

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: P#

Luminaire Tested: **22CZ-LD5-32SE-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25706)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-32SE-UNV-L850-CD1-U
Description: CRUZE 2x2 LED TROFFER

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3534.0 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.26 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.1')
CIE Type: Direct

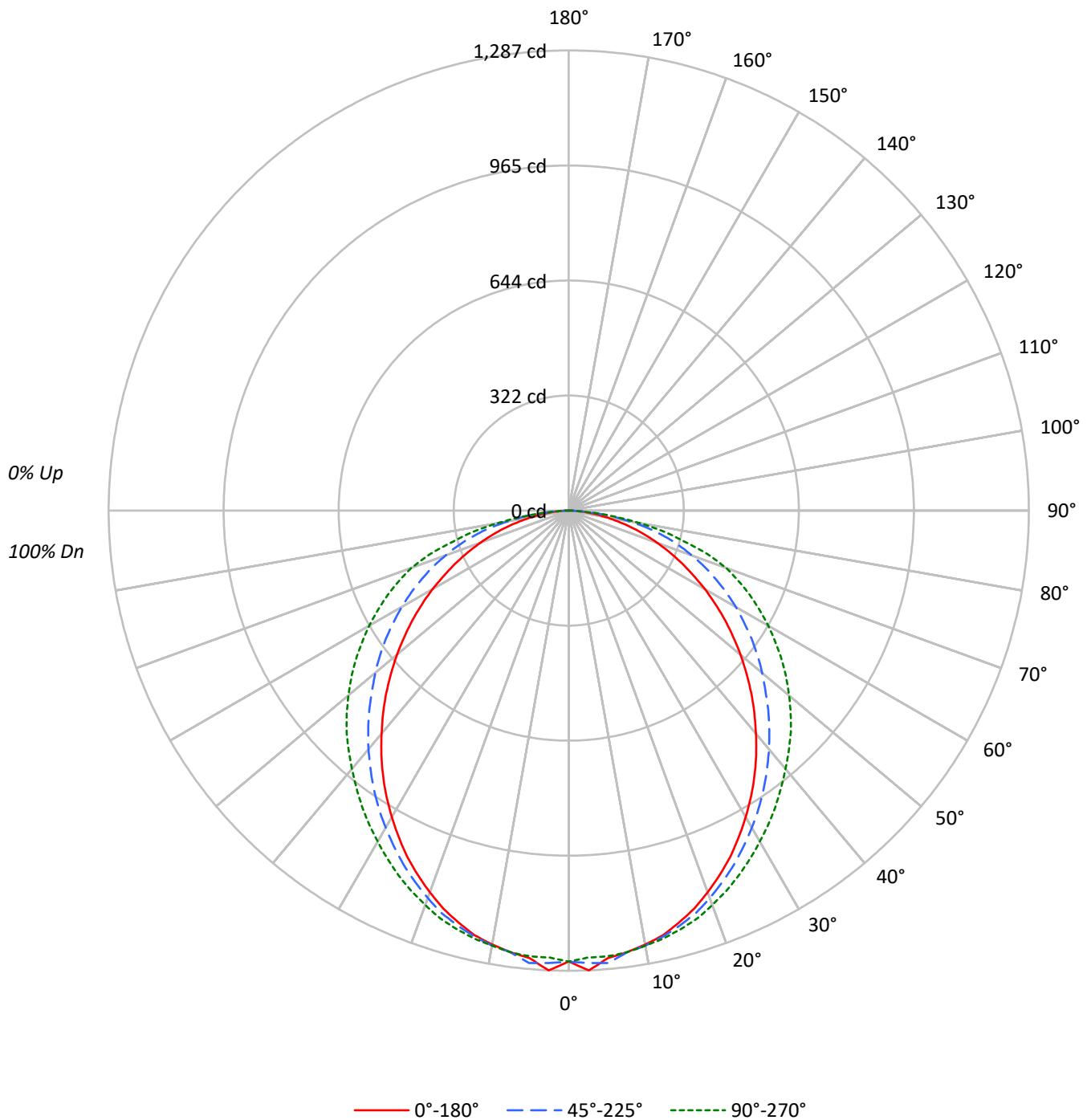
Input Watts (W): 30.53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	108	104	99	95	106	101	97	94		97	94	91		93	90	88		89	87	85
2	98	90	83	77	96	88	82	76		84	79	74		81	77	73		78	74	71
3	90	79	70	64	87	77	69	63		74	68	62		71	66	61		69	64	60
4	82	70	61	54	80	68	60	54		66	59	53		64	57	52		61	56	51
5	75	62	53	46	73	61	53	46		59	51	46		57	50	45		55	49	45
6	70	56	47	41	68	55	47	40		53	46	40		52	45	40		50	44	39
7	65	51	42	36	63	50	42	36		48	41	35		47	40	35		46	40	35
8	60	46	38	32	58	46	38	32		44	37	32		43	36	31		42	36	31
9	56	43	34	29	55	42	34	29		41	34	29		40	33	28		39	33	28
10	53	39	31	26	51	39	31	26		38	31	26		37	30	26		36	30	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3394	3394	3394
5°	3379	3410	3365
10°	3338	3335	3347
15°	3279	3284	3331
20°	3195	3219	3301
25°	3101	3142	3266
30°	2990	3058	3228
35°	2875	2975	3202
40°	2746	2889	3181
45°	2616	2804	3183
50°	2478	2727	3178
55°	2333	2658	3183
60°	2179	2587	3192
65°	2006	2509	3212
70°	1819	2411	3233
75°	1581	2276	2936
80°	1265	1901	2407
85°	878	1115	1250



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.6	3.4
10°-20°	338.9	9.6
20°-30°	504.1	14.3
30°-40°	596.2	16.9
40°-50°	612.8	17.3
50°-60°	560.0	15.8
60°-70°	448.0	12.7
70°-80°	281.1	8.0
80°-90°	73.2	2.1
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°	962.7	27.2
0°-40°	1558.9	44.1
0°-60°	2731.7	77.3
0°-90°	3534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3534.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1261	1261	1261	1261	1261	
5°	1256	1256	1270	1261	1251	119
15°	1193	1194	1201	1208	1212	336
25°	1069	1076	1093	1112	1126	491
35°	906	918	950	986	1009	566
45°	722	741	789	847	878	557
55°	533	558	624	693	727	477
65°	349	380	454	522	558	346
75°	180	215	277	318	335	192
85°	45	57	65	64	64	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1261.4	1261.4	1261.4	1261.4	1261.4
2.5°	1287.2	1282.0	1266.6	1256.3	1251.1
5°	1256.3	1256.3	1270.0	1261.4	1251.1
7.5°	1245.9	1245.9	1245.9	1271.7	1245.9
10°	1232.2	1233.9	1235.6	1245.9	1235.6
12.5°	1216.7	1216.7	1220.2	1223.6	1225.3
15°	1192.7	1194.4	1201.3	1208.1	1211.6
17.5°	1166.9	1172.0	1180.6	1189.2	1196.1
20°	1136.0	1142.8	1153.1	1166.9	1173.8
22.5°	1103.3	1110.2	1123.9	1139.4	1151.4
25°	1068.9	1075.8	1093.0	1111.9	1125.6
27.5°	1029.4	1038.0	1058.6	1084.4	1098.1
30°	989.9	1000.2	1024.2	1053.5	1068.9
32.5°	948.6	960.7	988.2	1020.8	1039.7
35°	905.7	917.7	950.4	986.4	1008.8
37.5°	861.0	874.7	910.8	952.1	976.1
40°	814.6	830.1	871.3	916.0	943.5
42.5°	768.2	785.4	830.1	883.3	910.8
45°	721.8	740.7	788.8	847.2	878.2
47.5°	673.7	696.0	745.8	811.1	842.1
50°	627.3	649.6	706.3	773.3	804.3
52.5°	579.1	604.9	665.1	733.8	766.5
55°	532.7	558.5	623.8	692.6	726.9
57.5°	486.3	512.1	580.9	651.3	685.7
60°	439.9	467.4	539.6	608.4	644.5
62.5°	393.5	422.8	496.7	567.1	601.5
65°	348.9	379.8	453.7	522.4	558.5
67.5°	305.9	338.6	410.7	477.8	513.8
70°	262.9	295.6	366.0	431.4	467.4
72.5°	221.7	254.3	323.1	381.5	409.0
75°	180.4	214.8	276.7	317.9	335.1
77.5°	140.9	175.3	228.6	256.1	275.0
80°	104.8	134.0	171.9	192.5	199.4
82.5°	72.2	96.2	120.3	125.5	128.9
85°	44.7	56.7	65.3	63.6	63.6
87.5°	20.6	22.3	18.9	13.7	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)