

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: P259355

Luminaire Tested: **22CZ-LD5-34-UNV-L92765-W2A1-U-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P259355
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-LD5-34-UNV-L92765-W2A1-U-5500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RIBBED LENS
Light Source: (168) 90 CRI LEDS TUNED AT 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3225.0 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

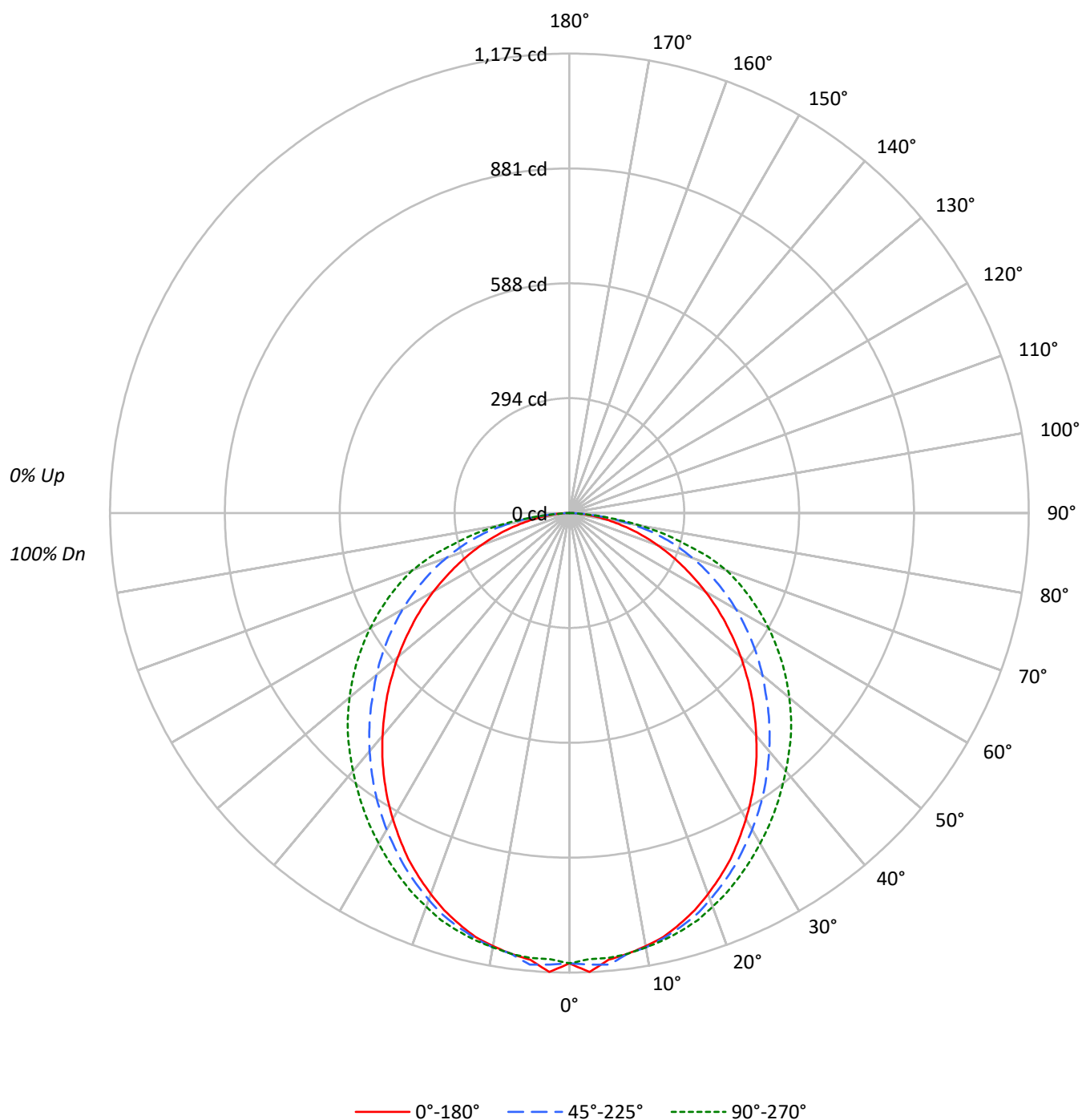
Input Watts (W): 26.412
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3098	3098	3098
5°	3097	3131	3084
10°	3073	3081	3081
15°	3032	3054	3080
20°	2968	3013	3067
25°	2896	2961	3050
30°	2807	2904	3031
35°	2715	2849	3024
40°	2611	2793	3025
45°	2507	2739	3050
50°	2396	2699	3073
55°	2281	2671	3112
60°	2161	2650	3165
65°	2027	2636	3245
70°	1888	2628	3356
75°	1712	2625	3179
80°	1483	2430	2819
85°	1260	1840	1791



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	3.4
10°-20°	309.3	9.6
20°-30°	460.0	14.3
30°-40°	544.1	16.9
40°-50°	559.2	17.3
50°-60°	511.0	15.8
60°-70°	408.8	12.7
70°-80°	256.5	8.0
80°-90°	66.8	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°	878.5	27.2
0°-40°	1422.6	44.1
0°-60°	2492.9	77.3
0°-90°	3225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3225.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1151	1151	1151	1151	1151	
5°	1146	1146	1159	1151	1142	109
15°	1088	1090	1096	1102	1106	307
25°	976	982	997	1015	1027	449
35°	826	838	867	900	921	517
45°	659	676	720	773	801	508
55°	486	510	569	632	663	435
65°	318	347	414	477	510	316
75°	165	196	252	290	306	175
85°	41	52	60	58	58	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1151.1	1151.1	1151.1	1151.1	1151.1
2.5°	1174.6	1169.9	1155.8	1146.4	1141.7
5°	1146.4	1146.4	1159.0	1151.1	1141.7
7.5°	1137.0	1137.0	1137.0	1160.5	1137.0
10°	1124.5	1126.0	1127.6	1137.0	1127.6
12.5°	1110.3	1110.3	1113.5	1116.6	1118.2
15°	1088.4	1089.9	1096.2	1102.5	1105.6
17.5°	1064.9	1069.6	1077.4	1085.2	1091.5
20°	1036.6	1042.9	1052.3	1064.9	1071.1
22.5°	1006.8	1013.1	1025.6	1039.8	1050.7
25°	975.5	981.7	997.4	1014.7	1027.2
27.5°	939.4	947.2	966.1	989.6	1002.1
30°	903.3	912.7	934.7	961.4	975.5
32.5°	865.7	876.7	901.8	931.6	948.8
35°	826.5	837.5	867.3	900.2	920.6
37.5°	785.7	798.3	831.2	868.8	890.8
40°	743.4	757.5	795.1	835.9	861.0
42.5°	701.0	716.7	757.5	806.1	831.2
45°	658.7	675.9	719.8	773.2	801.4
47.5°	614.8	635.1	680.6	740.2	768.5
50°	572.4	592.8	644.6	705.7	734.0
52.5°	528.5	552.0	606.9	669.7	699.4
55°	486.2	509.7	569.3	632.0	663.4
57.5°	443.8	467.3	530.1	594.4	625.7
60°	401.5	426.6	492.4	555.2	588.1
62.5°	359.1	385.8	453.2	517.5	548.9
65°	318.4	346.6	414.0	476.8	509.7
67.5°	279.2	308.9	374.8	436.0	468.9
70°	239.9	269.7	334.0	393.6	426.6
72.5°	202.3	232.1	294.8	348.2	373.2
75°	164.7	196.0	252.5	290.1	305.8
77.5°	128.6	160.0	208.6	233.7	250.9
80°	95.7	122.3	156.8	175.6	181.9
82.5°	65.9	87.8	109.8	114.5	117.6
85°	40.8	51.8	59.6	58.0	58.0
87.5°	18.8	20.4	17.3	12.5	7.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)