

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: P259357

Luminaire Tested: **22CZ-LD5-34-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P259357
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-6500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RIBBED LENS
Light Source: (168) 90 CRI LEDS TUNED AT 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3261.0 lumens
Efficiency: N/A
Efficacy: 121.3 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

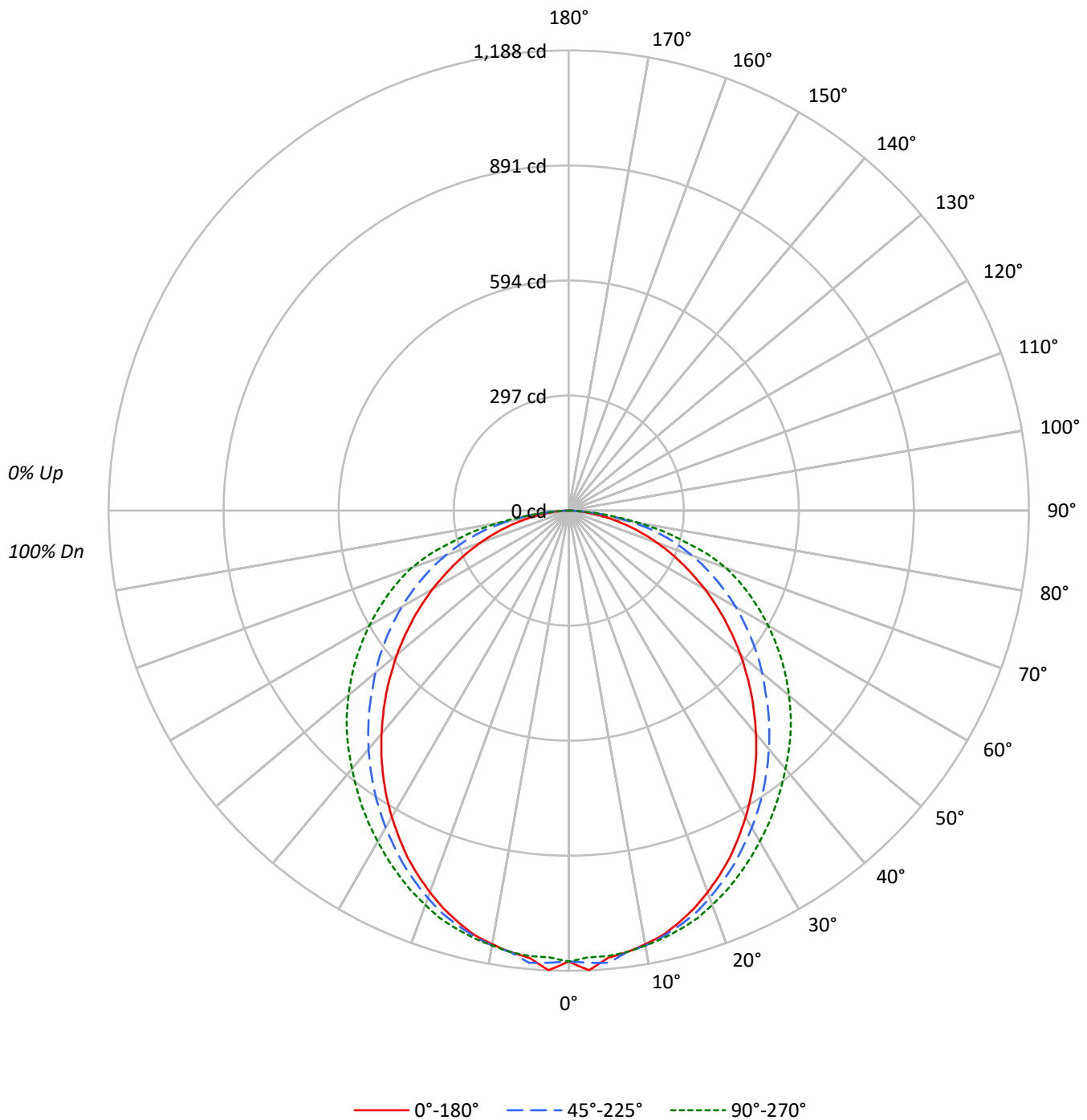
Input Watts (W): 26.877
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	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		100
1	108	104	99	95	106	101	97	94	97	94	91		93	90	88		83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		69
3	90	79	70	64	87	77	69	63	74	68	62		71	66	61		58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		37
7	65	51	42	36	63	50	42	36	48	41	35		47	40	35		33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		29
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3132	3132	3132
5°	3131	3166	3118
10°	3107	3116	3116
15°	3066	3088	3115
20°	3002	3047	3102
25°	2929	2995	3084
30°	2838	2937	3065
35°	2745	2881	3058
40°	2641	2824	3058
45°	2535	2770	3084
50°	2423	2729	3107
55°	2306	2700	3147
60°	2185	2680	3201
65°	2050	2665	3282
70°	1909	2658	3393
75°	1731	2654	3215
80°	1499	2458	2851
85°	1272	1862	1812



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.4
10°-20°	312.7	9.6
20°-30°	465.2	14.3
30°-40°	550.2	16.9
40°-50°	565.5	17.3
50°-60°	516.7	15.8
60°-70°	413.4	12.7
70°-80°	259.4	8.0
80°-90°	67.6	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°	888.3	27.2
0°-40°	1438.5	44.1
0°-60°	2520.7	77.3
0°-90°	3261.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3261.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1164	1164	1164	1164	1164	
5°	1159	1159	1172	1164	1154	110
15°	1100	1102	1108	1115	1118	310
25°	986	993	1009	1026	1039	454
35°	836	847	877	910	931	522
45°	666	684	728	782	810	513
55°	492	515	576	639	671	440
65°	322	350	419	482	515	319
75°	166	198	255	293	309	177
85°	41	52	60	59	59	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1164.0	1164.0	1164.0	1164.0	1164.0
2.5°	1187.7	1183.0	1168.7	1159.2	1154.4
5°	1159.2	1159.2	1171.9	1164.0	1154.4
7.5°	1149.7	1149.7	1149.7	1173.5	1149.7
10°	1137.0	1138.6	1140.2	1149.7	1140.2
12.5°	1122.7	1122.7	1125.9	1129.1	1130.7
15°	1100.5	1102.1	1108.5	1114.8	1118.0
17.5°	1076.7	1081.5	1089.4	1097.4	1103.7
20°	1048.2	1054.5	1064.1	1076.7	1083.1
22.5°	1018.1	1024.4	1037.1	1051.4	1062.5
25°	986.4	992.7	1008.6	1026.0	1038.7
27.5°	949.9	957.8	976.8	1000.6	1013.3
30°	913.4	922.9	945.1	972.1	986.4
32.5°	875.3	886.4	911.8	942.0	959.4
35°	835.7	846.8	876.9	910.2	930.9
37.5°	794.5	807.2	840.5	878.5	900.7
40°	751.7	765.9	804.0	845.2	870.6
42.5°	708.8	724.7	765.9	815.1	840.5
45°	666.0	683.5	727.9	781.8	810.3
47.5°	621.6	642.2	688.2	748.5	777.0
50°	578.8	599.4	651.8	713.6	742.1
52.5°	534.4	558.2	613.7	677.1	707.3
55°	491.6	515.4	575.6	639.1	670.8
57.5°	448.8	472.6	536.0	601.0	632.7
60°	406.0	431.3	497.9	561.4	594.7
62.5°	363.1	390.1	458.3	523.3	555.0
65°	321.9	350.5	418.6	482.1	515.4
67.5°	282.3	312.4	379.0	440.8	474.1
70°	242.6	272.8	337.8	398.0	431.3
72.5°	204.6	234.7	298.1	352.0	377.4
75°	166.5	198.2	255.3	293.4	309.2
77.5°	130.0	161.7	210.9	236.3	253.7
80°	96.7	123.7	158.6	177.6	184.0
82.5°	66.6	88.8	111.0	115.8	118.9
85°	41.2	52.3	60.3	58.7	58.7
87.5°	19.0	20.6	17.4	12.7	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)