

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: P260336

Luminaire Tested: **22CZ-LD5-20-SQP-UNV-L92765-W2A1-U-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25713)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-20-SQP-UNV-L92765-W2A1-U-5500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH SQP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1270.0 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

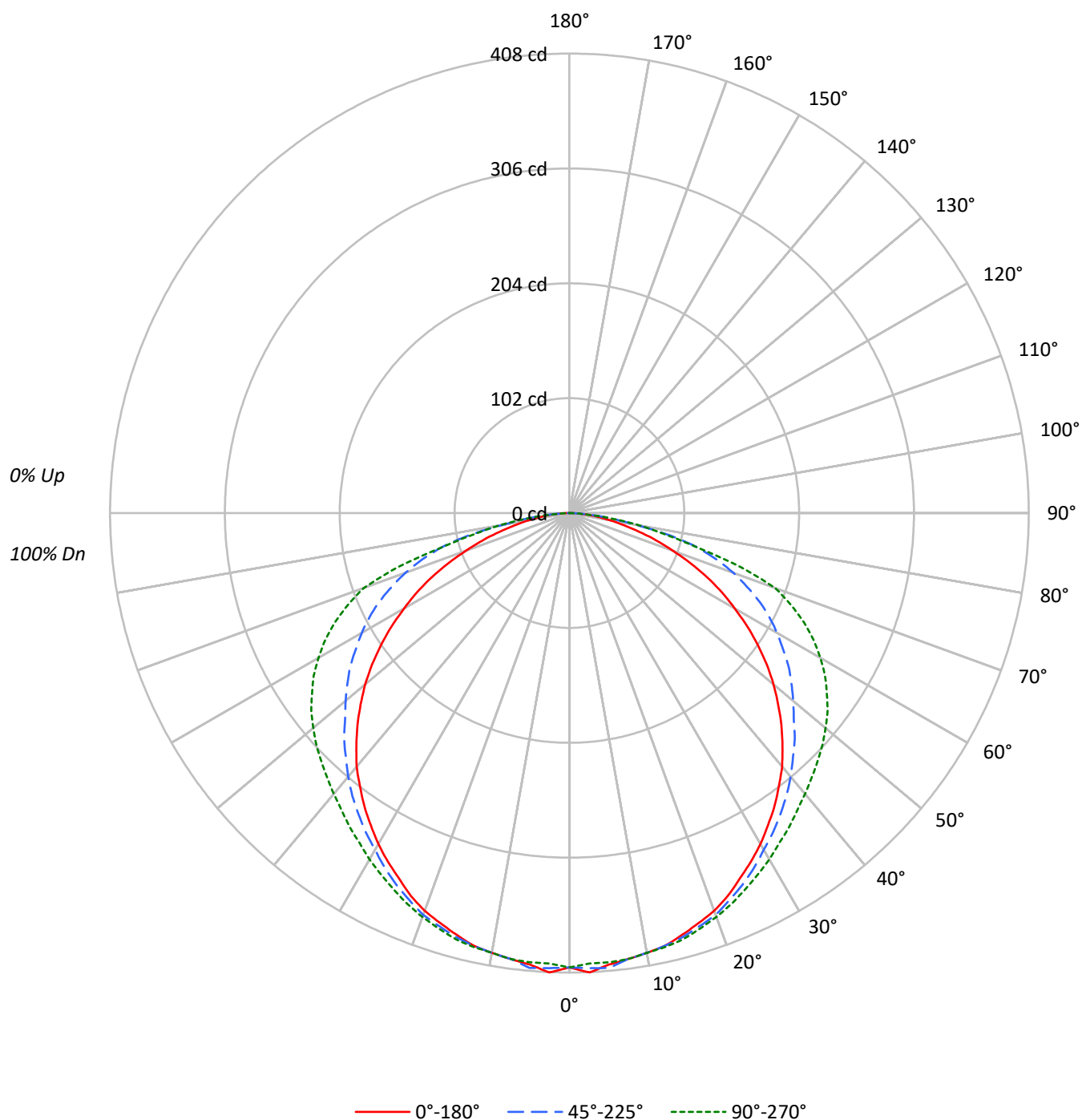
Input Watts (W): 15.996
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1086	1086	1086
5°	1087	1095	1082
10°	1083	1083	1083
15°	1080	1085	1091
20°	1076	1087	1093
25°	1063	1080	1095
30°	1054	1073	1103
35°	1043	1073	1118
40°	1032	1074	1143
45°	1013	1077	1186
50°	991	1086	1243
55°	958	1115	1309
60°	913	1146	1385
65°	860	1187	1463
70°	768	1218	1529
75°	666	1221	1210
80°	566	902	978
85°	488	608	550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	3.0
10°-20°	110.0	8.7
20°-30°	167.6	13.2
30°-40°	205.1	16.1
40°-50°	220.7	17.4
50°-60°	213.8	16.8
60°-70°	181.1	14.3
70°-80°	109.5	8.6
80°-90°	24.0	1.9
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°	315.9	24.9
0°-40°	521.0	41.0
0°-60°	955.4	75.2
0°-90°	1270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1270.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	403	403	403	403	403	
5°	402	402	405	403	400	38
15°	388	389	390	391	392	109
25°	358	360	364	367	369	165
35°	318	320	326	335	340	199
45°	266	271	283	301	312	205
55°	204	213	238	265	279	182
65°	135	150	186	216	230	133
75°	64	87	117	119	116	69
85°	16	19	20	19	18	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	403.4	403.4	403.4	403.4	403.4
2.5°	408.3	407.3	404.4	402.4	400.4
5°	402.4	402.4	405.4	403.4	400.4
7.5°	399.4	399.4	399.4	404.4	399.4
10°	396.5	397.5	396.5	400.4	396.5
12.5°	393.5	393.5	393.5	394.5	394.5
15°	387.6	388.6	389.6	390.6	391.6
17.5°	381.7	382.7	384.6	385.6	386.6
20°	375.8	376.8	379.7	379.7	381.7
22.5°	367.9	367.9	371.8	372.8	375.8
25°	358.0	360.0	363.9	366.9	368.9
27.5°	349.1	351.1	355.1	359.0	362.0
30°	339.3	341.3	345.2	351.1	355.1
32.5°	328.4	330.4	336.3	343.2	347.2
35°	317.6	319.6	326.5	335.3	340.3
37.5°	305.7	308.7	316.6	326.5	332.4
40°	293.9	296.9	305.7	316.6	325.5
42.5°	280.1	284.0	293.9	308.7	318.6
45°	266.3	271.2	283.1	300.8	311.7
47.5°	251.5	256.4	270.2	292.9	304.8
50°	236.7	242.6	259.4	284.0	296.9
52.5°	220.9	226.8	248.5	275.2	289.0
55°	204.2	213.0	237.7	265.3	279.1
57.5°	187.4	197.3	224.9	254.5	269.3
60°	169.6	181.5	213.0	242.6	257.4
62.5°	152.9	165.7	200.2	229.8	244.6
65°	135.1	149.9	186.4	216.0	229.8
67.5°	116.4	135.1	170.6	199.2	213.0
70°	97.6	119.3	154.8	181.5	194.3
72.5°	80.9	103.6	137.1	159.8	159.8
75°	64.1	86.8	117.4	119.3	116.4
77.5°	49.3	71.0	91.7	83.8	85.8
80°	36.5	54.2	58.2	61.1	63.1
82.5°	24.7	36.5	37.5	39.5	39.5
85°	15.8	18.7	19.7	18.7	17.8
87.5°	6.9	7.9	5.9	3.9	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)