

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: P260348

Luminaire Tested: **22CZ-LD5-29-SQP-UNV-L92765-W2A1-U-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260348
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-LD5-29-SQP-UNV-L92765-W2A1-U-2700K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH SQP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1398.0 lumens
Efficiency: N/A
Efficacy: 67.4 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

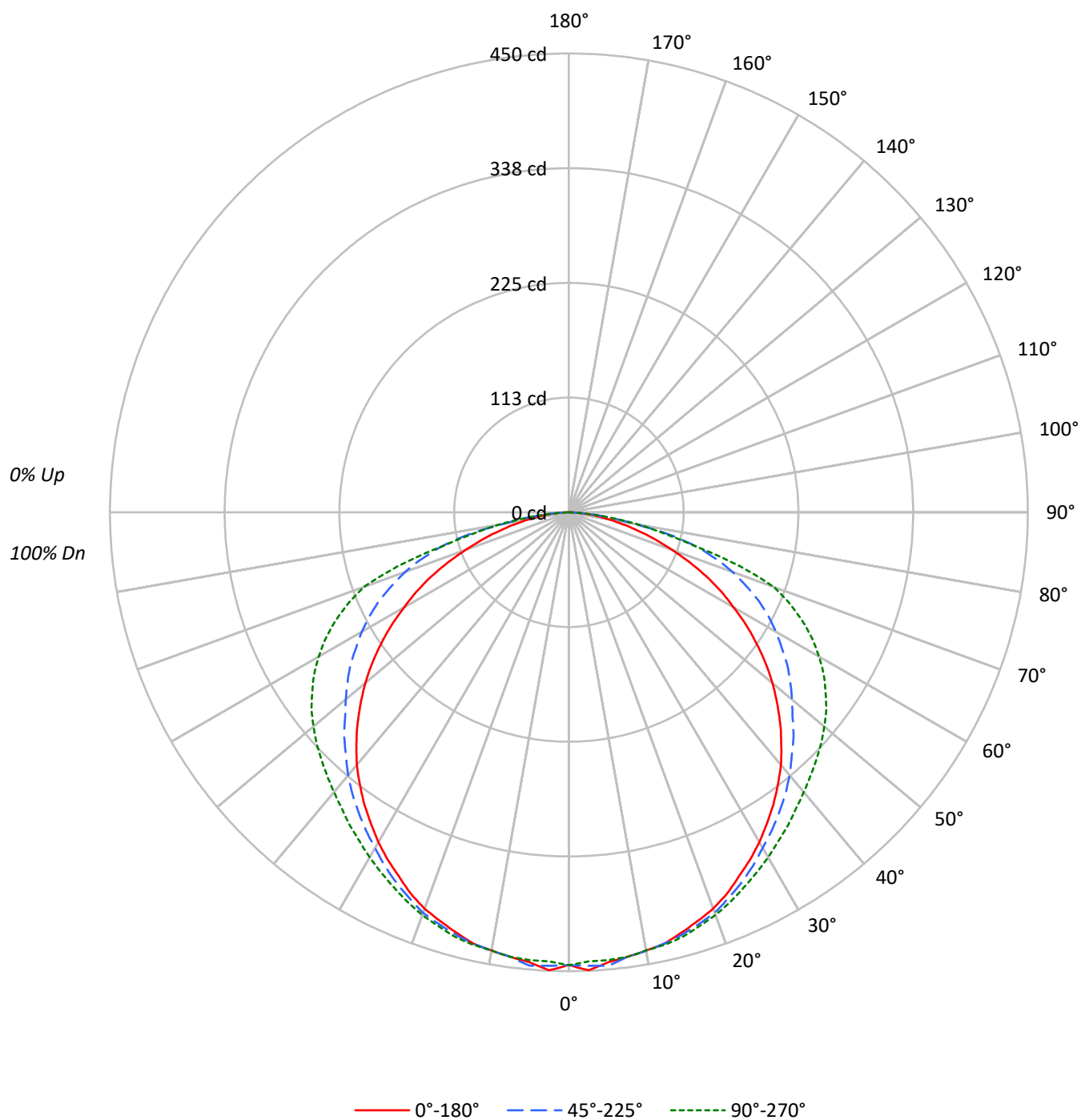
Input Watts (W): 20.739
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1195	1195	1195
5°	1197	1205	1191
10°	1192	1192	1192
15°	1189	1195	1201
20°	1184	1197	1203
25°	1170	1189	1205
30°	1161	1181	1214
35°	1148	1181	1231
40°	1136	1182	1259
45°	1115	1186	1306
50°	1091	1195	1368
55°	1054	1227	1441
60°	1005	1262	1525
65°	947	1307	1611
70°	846	1341	1683
75°	734	1343	1332
80°	623	993	1077
85°	537	670	602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	3.0
10°-20°	121.1	8.7
20°-30°	184.5	13.2
30°-40°	225.8	16.1
40°-50°	242.9	17.4
50°-60°	235.3	16.8
60°-70°	199.3	14.3
70°-80°	120.5	8.6
80°-90°	26.5	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°	347.7	24.9
0°-40°	573.5	41.0
0°-60°	1051.7	75.2
0°-90°	1398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1398.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	443	443	446	444	441	42
15°	427	428	429	430	431	120
25°	394	396	401	404	406	182
35°	350	352	359	369	375	219
45°	293	299	312	331	343	226
55°	225	234	262	292	307	201
65°	149	165	205	238	253	146
75°	71	96	129	131	128	76
85°	17	21	22	21	20	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	444.0	444.0	444.0	444.0	444.0
2.5°	449.5	448.4	445.1	443.0	440.8
5°	443.0	443.0	446.2	444.0	440.8
7.5°	439.7	439.7	439.7	445.1	439.7
10°	436.4	437.5	436.4	440.8	436.4
12.5°	433.2	433.2	433.2	434.3	434.3
15°	426.7	427.8	428.8	429.9	431.0
17.5°	420.2	421.2	423.4	424.5	425.6
20°	413.6	414.7	418.0	418.0	420.2
22.5°	405.0	405.0	409.3	410.4	413.6
25°	394.1	396.3	400.6	403.9	406.0
27.5°	384.3	386.5	390.8	395.2	398.4
30°	373.5	375.6	380.0	386.5	390.8
32.5°	361.5	363.7	370.2	377.8	382.2
35°	349.6	351.8	359.4	369.1	374.6
37.5°	336.6	339.8	348.5	359.4	365.9
40°	323.5	326.8	336.6	348.5	358.3
42.5°	308.3	312.7	323.5	339.8	350.7
45°	293.1	298.6	311.6	331.1	343.1
47.5°	276.8	282.3	297.5	322.4	335.5
50°	260.6	267.1	285.5	312.7	326.8
52.5°	243.2	249.7	273.6	302.9	318.1
55°	224.7	234.5	261.6	292.0	307.2
57.5°	206.3	217.1	247.5	280.1	296.4
60°	186.7	199.8	234.5	267.1	283.4
62.5°	168.3	182.4	220.4	253.0	269.2
65°	148.7	165.0	205.2	237.8	253.0
67.5°	128.1	148.7	187.8	219.3	234.5
70°	107.5	131.4	170.5	199.8	213.9
72.5°	89.0	114.0	150.9	175.9	175.9
75°	70.6	95.5	129.2	131.4	128.1
77.5°	54.3	78.2	101.0	92.3	94.5
80°	40.2	59.7	64.1	67.3	69.5
82.5°	27.1	40.2	41.3	43.4	43.4
85°	17.4	20.6	21.7	20.6	19.5
87.5°	7.6	8.7	6.5	4.3	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)