

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: P260335

Luminaire Tested: **22CZ-LD5-20-SQP-UNV-L92765-W2A1-U-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260335
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-5000K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH SQP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1250.0 lumens
Efficiency: N/A
Efficacy: 78.6 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

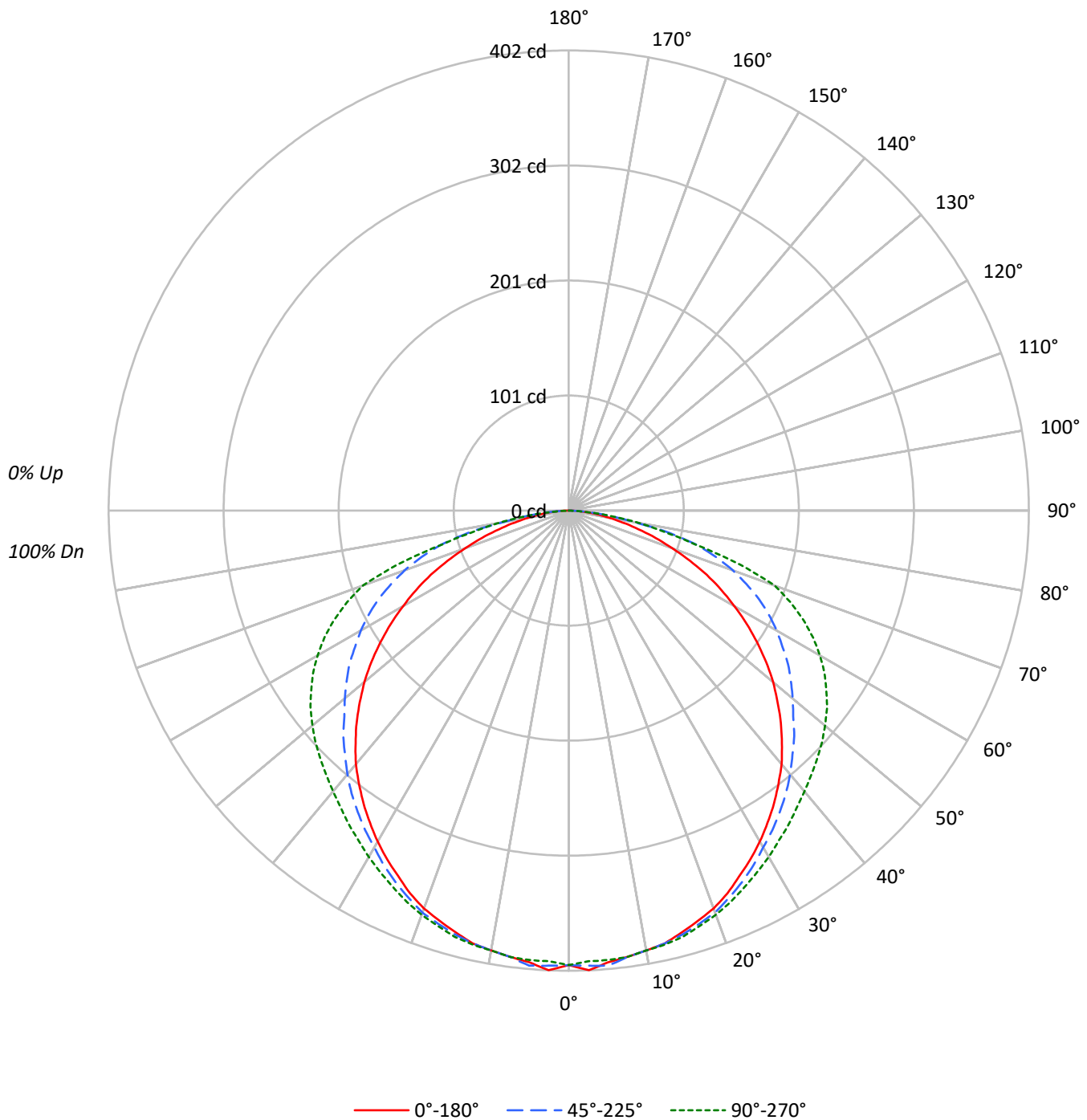
Input Watts (W): 15.903
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P260335

CATALOG NUMBER: 22CZ-LD5-20-SQP-UNV-L92765-W2A1-U-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P260335

CATALOG NUMBER: 22CZ-LD5-20-SQP-UNV-L92765-W2A1-U-5000K

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°	1068	1068	1068
5°	1070	1078	1065
10°	1066	1066	1066
15°	1063	1068	1074
20°	1059	1070	1076
25°	1046	1064	1078
30°	1038	1056	1086
35°	1027	1055	1100
40°	1016	1057	1125
45°	997	1060	1168
50°	975	1069	1223
55°	943	1097	1289
60°	899	1129	1364
65°	847	1168	1440
70°	756	1199	1504
75°	656	1201	1190
80°	556	888	962
85°	479	599	540



TEST NUMBER: P260335

CATALOG NUMBER: 22CZ-LD5-20-SQP-UNV-L92765-W2A1-U-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.7	3.0
10°-20°	108.3	8.7
20°-30°	165.0	13.2
30°-40°	201.9	16.1
40°-50°	217.2	17.4
50°-60°	210.4	16.8
60°-70°	178.2	14.3
70°-80°	107.7	8.6
80°-90°	23.7	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°	310.9	24.9
0°-40°	512.8	41.0
0°-60°	940.4	75.2
0°-90°	1250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1250.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	397	397	397	397	397	
5°	396	396	399	397	394	38
15°	382	382	383	384	385	108
25°	352	354	358	361	363	163
35°	313	314	321	330	335	196
45°	262	267	279	296	307	202
55°	201	210	234	261	275	179
65°	133	148	184	213	226	131
75°	63	85	116	118	114	68
85°	16	18	19	18	18	18
90°	0	0	0	0	0	



TEST NUMBER: P260335

CATALOG NUMBER: 22CZ-LD5-20-SQP-UNV-L92765-W2A1-U-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	397.0	397.0	397.0	397.0	397.0
2.5°	401.9	400.9	398.0	396.1	394.1
5°	396.1	396.1	399.0	397.0	394.1
7.5°	393.2	393.2	393.2	398.0	393.2
10°	390.2	391.2	390.2	394.1	390.2
12.5°	387.3	387.3	387.3	388.3	388.3
15°	381.5	382.5	383.4	384.4	385.4
17.5°	375.7	376.6	378.6	379.6	380.5
20°	369.9	370.8	373.7	373.7	375.7
22.5°	362.1	362.1	366.0	366.9	369.9
25°	352.4	354.3	358.2	361.1	363.1
27.5°	343.6	345.6	349.5	353.4	356.3
30°	333.9	335.9	339.8	345.6	349.5
32.5°	323.3	325.2	331.0	337.8	341.7
35°	312.6	314.5	321.3	330.1	334.9
37.5°	300.9	303.8	311.6	321.3	327.1
40°	289.3	292.2	300.9	311.6	320.3
42.5°	275.7	279.6	289.3	303.8	313.5
45°	262.1	267.0	278.6	296.1	306.8
47.5°	247.5	252.4	266.0	288.3	300.0
50°	233.0	238.8	255.3	279.6	292.2
52.5°	217.4	223.3	244.6	270.8	284.4
55°	200.9	209.7	233.9	261.1	274.7
57.5°	184.4	194.1	221.3	250.5	265.0
60°	167.0	178.6	209.7	238.8	253.4
62.5°	150.5	163.1	197.1	226.2	240.7
65°	133.0	147.6	183.5	212.6	226.2
67.5°	114.5	133.0	167.9	196.1	209.7
70°	96.1	117.5	152.4	178.6	191.2
72.5°	79.6	101.9	134.9	157.3	157.3
75°	63.1	85.4	115.5	117.5	114.5
77.5°	48.5	69.9	90.3	82.5	84.5
80°	35.9	53.4	57.3	60.2	62.1
82.5°	24.3	35.9	36.9	38.8	38.8
85°	15.5	18.4	19.4	18.4	17.5
87.5°	6.8	7.8	5.8	3.9	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)