

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: P260325

Luminaire Tested: **22CZ-LD5-44-SQP-UNV-L82765-W2A1-U-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260325
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-LD5-44-SQP-UNV-L82765-W2A1-U-4500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER WITH SQP LENS
Light Source: (168) 80 CRI LEDS TUNED AT 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2809.0 lumens
Efficiency: N/A
Efficacy: 79.7 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

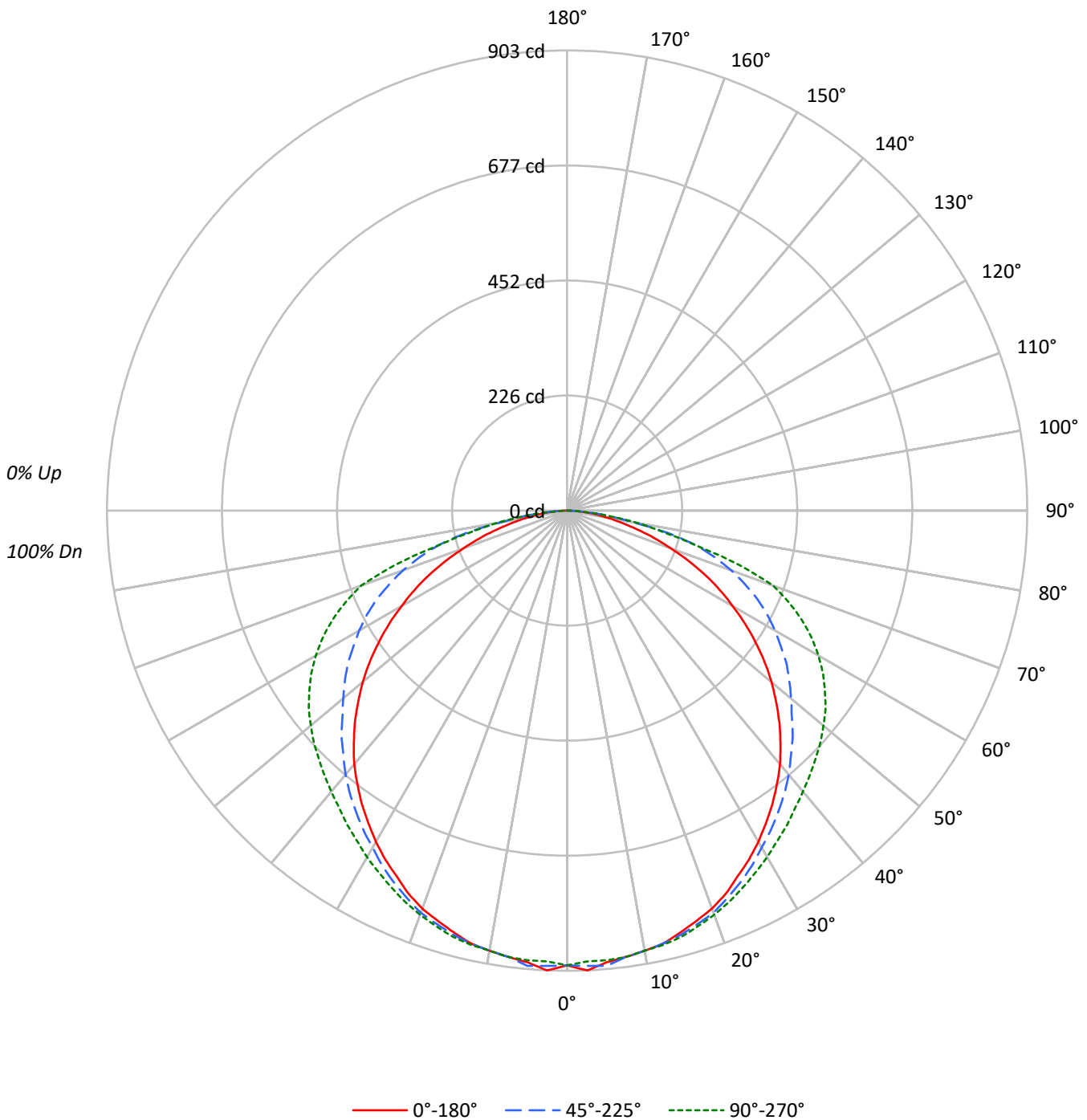
Input Watts (W): 35.247
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0		
RW	70	50	30	10	70	50	30	10	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		102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		60	54	50	47
5	74	61	52	45	72	60	51	44	58	50	44		56	49	43		54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38		50	43	38		48	42	37	35
7	63	49	40	34	62	49	40	34	47	39	34		45	39	33		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		40	34	29	28
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37	31	27	25
10	51	38	30	24	50	37	30	24	36	29	24		35	29	24		35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2401	2401	2401
5°	2404	2422	2393
10°	2396	2396	2396
15°	2388	2401	2413
20°	2380	2405	2418
25°	2351	2390	2423
30°	2332	2372	2440
35°	2307	2372	2472
40°	2284	2376	2529
45°	2242	2383	2623
50°	2192	2402	2749
55°	2119	2466	2897
60°	2019	2536	3064
65°	1903	2625	3237
70°	1699	2695	3381
75°	1474	2699	2676
80°	1251	1994	2163
85°	1078	1346	1213



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	3.0
10°-20°	243.3	8.7
20°-30°	370.7	13.2
30°-40°	453.6	16.1
40°-50°	488.1	17.4
50°-60°	472.8	16.8
60°-70°	400.5	14.3
70°-80°	242.1	8.6
80°-90°	53.2	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°	698.7	24.9
0°-40°	1152.3	41.0
0°-60°	2113.2	75.2
0°-90°	2809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2809.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	892	892	892	892	892	
5°	890	890	897	892	886	85
15°	857	860	862	864	866	242
25°	792	796	805	812	816	366
35°	702	707	722	742	753	439
45°	589	600	626	665	689	454
55°	452	471	526	587	617	403
65°	299	332	412	478	508	294
75°	142	192	260	264	257	152
85°	35	41	44	41	39	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	892.2	892.2	892.2	892.2	892.2
2.5°	903.1	900.9	894.4	890.0	885.7
5°	890.0	890.0	896.6	892.2	885.7
7.5°	883.5	883.5	883.5	894.4	883.5
10°	876.9	879.1	876.9	885.7	876.9
12.5°	870.4	870.4	870.4	872.6	872.6
15°	857.3	859.5	861.7	863.9	866.0
17.5°	844.2	846.4	850.8	852.9	855.1
20°	831.1	833.3	839.9	839.9	844.2
22.5°	813.7	813.7	822.4	824.6	831.1
25°	791.9	796.2	805.0	811.5	815.9
27.5°	772.2	776.6	785.3	794.0	800.6
30°	750.4	754.8	763.5	776.6	785.3
32.5°	726.4	730.8	743.9	759.1	767.9
35°	702.4	706.8	722.1	741.7	752.6
37.5°	676.3	682.8	700.2	722.1	735.1
40°	650.1	656.6	676.3	700.2	719.9
42.5°	619.5	628.3	650.1	682.8	704.6
45°	589.0	599.9	626.1	665.3	689.3
47.5°	556.3	567.2	597.7	647.9	674.1
50°	523.5	536.6	573.7	628.3	656.6
52.5°	488.6	501.7	549.7	608.6	639.2
55°	451.6	471.2	525.7	586.8	617.4
57.5°	414.5	436.3	497.4	562.8	595.5
60°	375.2	401.4	471.2	536.6	569.4
62.5°	338.1	366.5	442.8	508.3	541.0
65°	298.9	331.6	412.3	477.7	508.3
67.5°	257.4	298.9	377.4	440.7	471.2
70°	216.0	264.0	342.5	401.4	429.7
72.5°	178.9	229.1	303.2	353.4	353.4
75°	141.8	192.0	259.6	264.0	257.4
77.5°	109.1	157.1	202.9	185.4	189.8
80°	80.7	120.0	128.7	135.3	139.6
82.5°	54.5	80.7	82.9	87.3	87.3
85°	34.9	41.4	43.6	41.4	39.3
87.5°	15.3	17.5	13.1	8.7	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)