

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: P260472

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L82765-W2A1-U-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25714)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-34-RDP-UNV-L82765-W2A1-U-3000K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 80 CRI LEDS TUNED AT 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2391.0 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

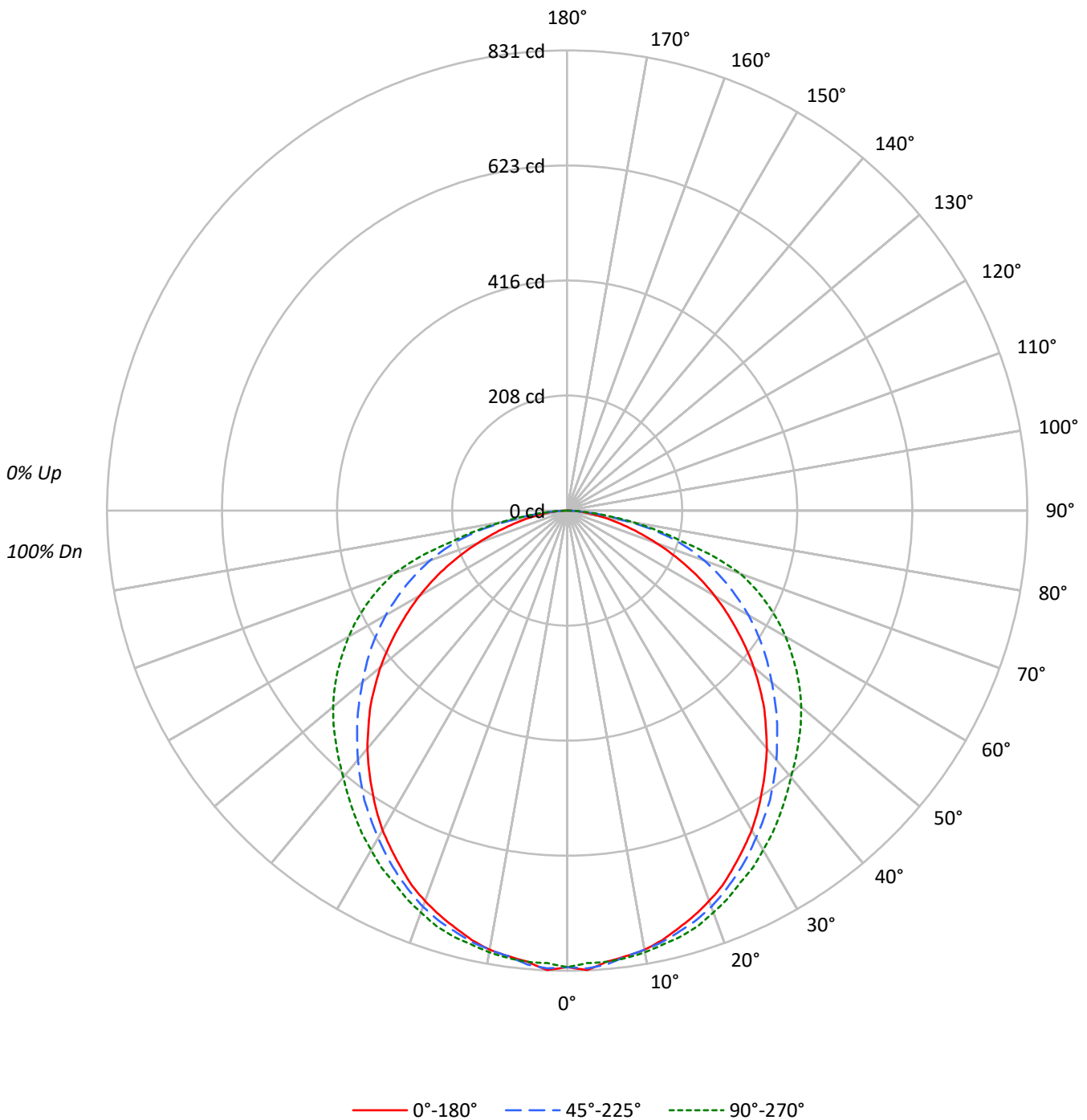
Input Watts (W): 25.482
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	78	74	71	69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2218	2218	2218
5°	2210	2223	2210
10°	2201	2201	2214
15°	2174	2191	2218
20°	2148	2180	2212
25°	2110	2153	2200
30°	2072	2121	2199
35°	2019	2097	2201
40°	1971	2065	2209
45°	1913	2039	2250
50°	1841	2019	2310
55°	1752	2026	2373
60°	1654	2036	2451
65°	1526	2047	2539
70°	1352	2071	2617
75°	1147	2065	2229
80°	953	1661	1857
85°	827	1121	1071



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	3.3
10°-20°	222.2	9.3
20°-30°	334.2	14.0
30°-40°	400.5	16.8
40°-50°	417.7	17.5
50°-60°	388.9	16.3
60°-70°	315.8	13.2
70°-80°	190.3	8.0
80°-90°	43.6	1.8
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°	634.3	26.5
0°-40°	1034.8	43.3
0°-60°	1841.3	77.0
0°-90°	2391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2391.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	824	824	824	824	824	
5°	818	818	823	824	818	78
15°	780	783	786	791	796	220
25°	711	716	725	734	741	328
35°	615	623	638	657	670	385
45°	503	512	536	571	591	387
55°	374	389	432	479	506	334
65°	240	265	322	372	399	237
75°	110	147	199	211	214	119
85°	27	33	36	35	35	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	824.3	824.3	824.3	824.3	824.3
2.5°	830.6	829.1	827.5	822.8	818.0
5°	818.0	818.0	822.8	824.3	818.0
7.5°	811.7	811.7	811.7	818.0	814.9
10°	805.4	805.4	805.4	810.1	810.1
12.5°	794.4	796.0	797.5	799.1	802.3
15°	780.2	783.3	786.5	791.2	796.0
17.5°	766.0	769.2	775.5	780.2	786.5
20°	750.2	753.4	761.3	766.0	772.3
22.5°	732.9	734.5	743.9	750.2	758.1
25°	710.8	715.6	725.0	734.5	740.8
27.5°	688.8	693.5	704.5	717.1	726.6
30°	666.7	671.4	682.5	698.2	707.7
32.5°	641.5	647.8	660.4	679.3	690.4
35°	614.7	622.6	638.3	657.3	669.9
37.5°	587.9	595.8	613.1	636.8	649.4
40°	561.1	569.0	587.9	613.1	628.9
42.5°	531.2	540.6	561.1	591.1	610.0
45°	502.8	512.2	535.9	570.6	591.1
47.5°	471.3	482.3	509.1	548.5	572.1
50°	439.7	452.4	482.3	526.4	551.7
52.5°	406.6	420.8	457.1	502.8	529.6
55°	373.5	389.3	431.9	479.1	505.9
57.5°	340.4	357.8	405.1	453.9	480.7
60°	307.3	326.3	378.3	428.7	455.5
62.5°	274.3	294.7	349.9	400.3	428.7
65°	239.6	264.8	321.5	372.0	398.8
67.5°	204.9	234.8	293.2	342.0	367.2
70°	171.8	204.9	263.2	308.9	332.6
72.5°	140.3	175.0	231.7	271.1	280.6
75°	110.3	146.6	198.6	211.2	214.4
77.5°	85.1	118.2	157.6	160.8	168.6
80°	61.5	89.8	107.2	116.6	119.8
82.5°	42.6	61.5	70.9	72.5	74.1
85°	26.8	33.1	36.3	34.7	34.7
87.5°	14.2	12.6	11.0	7.9	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)