

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: P260399

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L83050-W2A1-U-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260399
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-L83050-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: 2393.0 lumens
Efficiency: N/A
Efficacy: 93.6 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

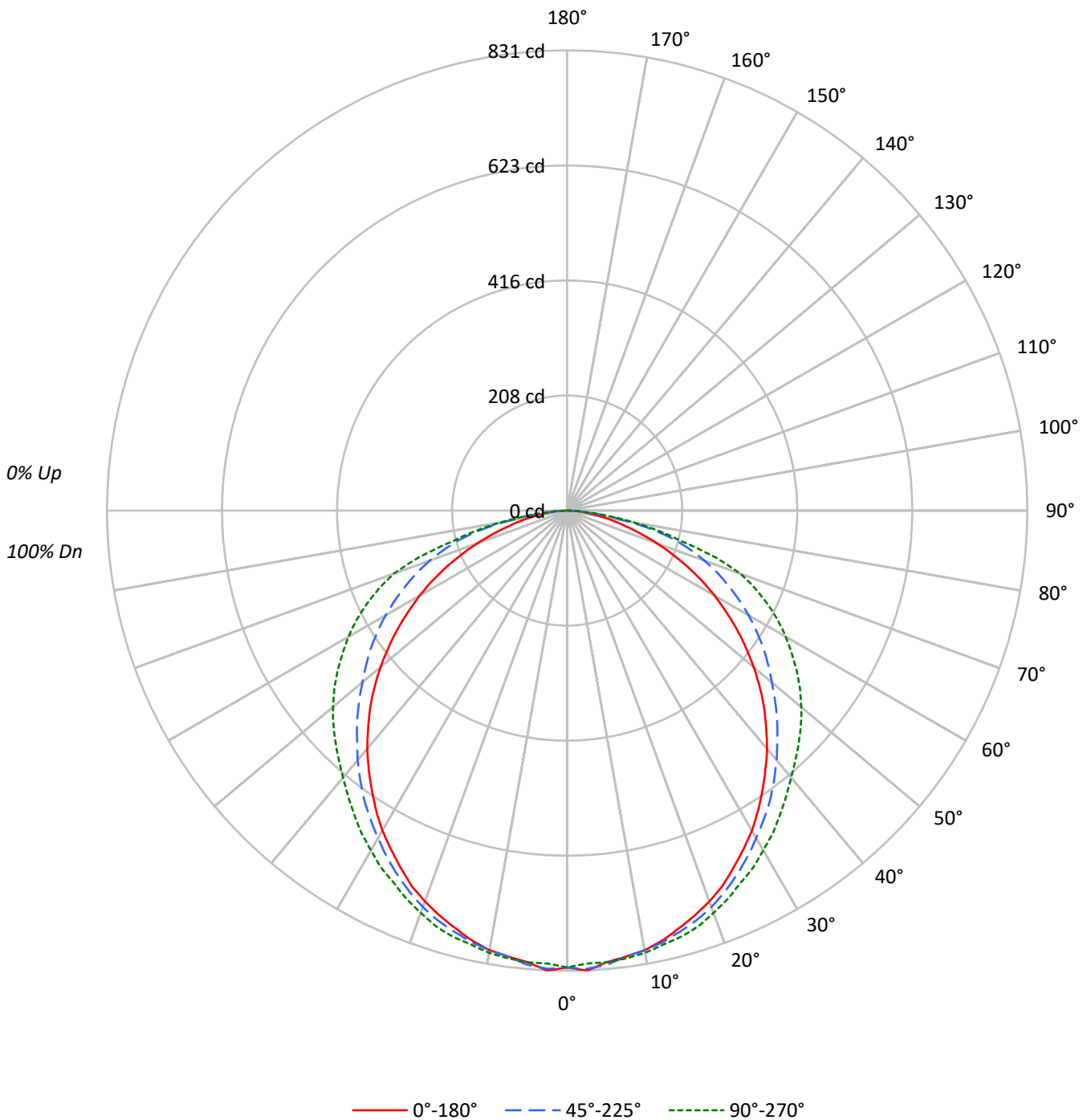
Input Watts (W): 25.575
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P260399

CATALOG NUMBER: 22CZ-LD5-34-RDP-UNV-L83050-W2A1-U-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P260399

CATALOG NUMBER: 22CZ-LD5-34-RDP-UNV-L83050-W2A1-U-3000K

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°	2220	2220	2220
5°	2212	2224	2212
10°	2203	2203	2216
15°	2175	2193	2219
20°	2150	2182	2214
25°	2112	2154	2201
30°	2073	2122	2201
35°	2021	2099	2202
40°	1973	2067	2211
45°	1915	2041	2251
50°	1842	2021	2311
55°	1754	2028	2376
60°	1655	2038	2454
65°	1527	2049	2541
70°	1352	2072	2618
75°	1148	2067	2230
80°	953	1663	1858
85°	827	1121	1071



TEST NUMBER: P260399

CATALOG NUMBER: 22CZ-LD5-34-RDP-UNV-L83050-W2A1-U-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	3.3
10°-20°	222.3	9.3
20°-30°	334.5	14.0
30°-40°	400.9	16.8
40°-50°	418.0	17.5
50°-60°	389.2	16.3
60°-70°	316.0	13.2
70°-80°	190.4	8.0
80°-90°	43.7	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°	634.8	26.5
0°-40°	1035.6	43.3
0°-60°	1842.9	77.0
0°-90°	2393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2393.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	825	825	825	825	825	
5°	819	819	823	825	819	78
15°	781	784	787	792	797	220
25°	711	716	726	735	741	328
35°	615	623	639	658	670	385
45°	503	513	536	571	592	387
55°	374	390	432	480	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	



TEST NUMBER: P260399

CATALOG NUMBER: 22CZ-LD5-34-RDP-UNV-L83050-W2A1-U-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	825.0	825.0	825.0	825.0	825.0
2.5°	831.3	829.7	828.2	823.4	818.7
5°	818.7	818.7	823.4	825.0	818.7
7.5°	812.4	812.4	812.4	818.7	815.6
10°	806.1	806.1	806.1	810.8	810.8
12.5°	795.0	796.6	798.2	799.8	802.9
15°	780.8	784.0	787.2	791.9	796.6
17.5°	766.7	769.8	776.1	780.8	787.2
20°	750.9	754.0	761.9	766.7	773.0
22.5°	733.5	735.1	744.6	750.9	758.8
25°	711.4	716.2	725.6	735.1	741.4
27.5°	689.4	694.1	705.1	717.7	727.2
30°	667.3	672.0	683.0	698.8	708.3
32.5°	642.0	648.3	661.0	679.9	690.9
35°	615.2	623.1	638.9	657.8	670.4
37.5°	588.4	596.3	613.6	637.3	649.9
40°	561.6	569.5	588.4	613.6	629.4
42.5°	531.6	541.1	561.6	591.6	610.5
45°	503.2	512.7	536.3	571.0	591.6
47.5°	471.7	482.7	509.5	549.0	572.6
50°	440.1	452.7	482.7	526.9	552.1
52.5°	407.0	421.2	457.5	503.2	530.0
55°	373.9	389.6	432.2	479.6	506.4
57.5°	340.7	358.1	405.4	454.3	481.1
60°	307.6	326.5	378.6	429.1	455.9
62.5°	274.5	295.0	350.2	400.7	429.1
65°	239.8	265.0	321.8	372.3	399.1
67.5°	205.1	235.0	293.4	342.3	367.6
70°	171.9	205.1	263.4	309.2	332.8
72.5°	140.4	175.1	231.9	271.3	280.8
75°	110.4	146.7	198.8	211.4	214.5
77.5°	85.2	118.3	157.7	160.9	168.8
80°	61.5	89.9	107.3	116.7	119.9
82.5°	42.6	61.5	71.0	72.6	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)