

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: P260473

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L82765-W2A1-U-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260473
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-3500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 80 CRI LEDS TUNED AT 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2473.0 lumens
Efficiency: N/A
Efficacy: 96.0 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

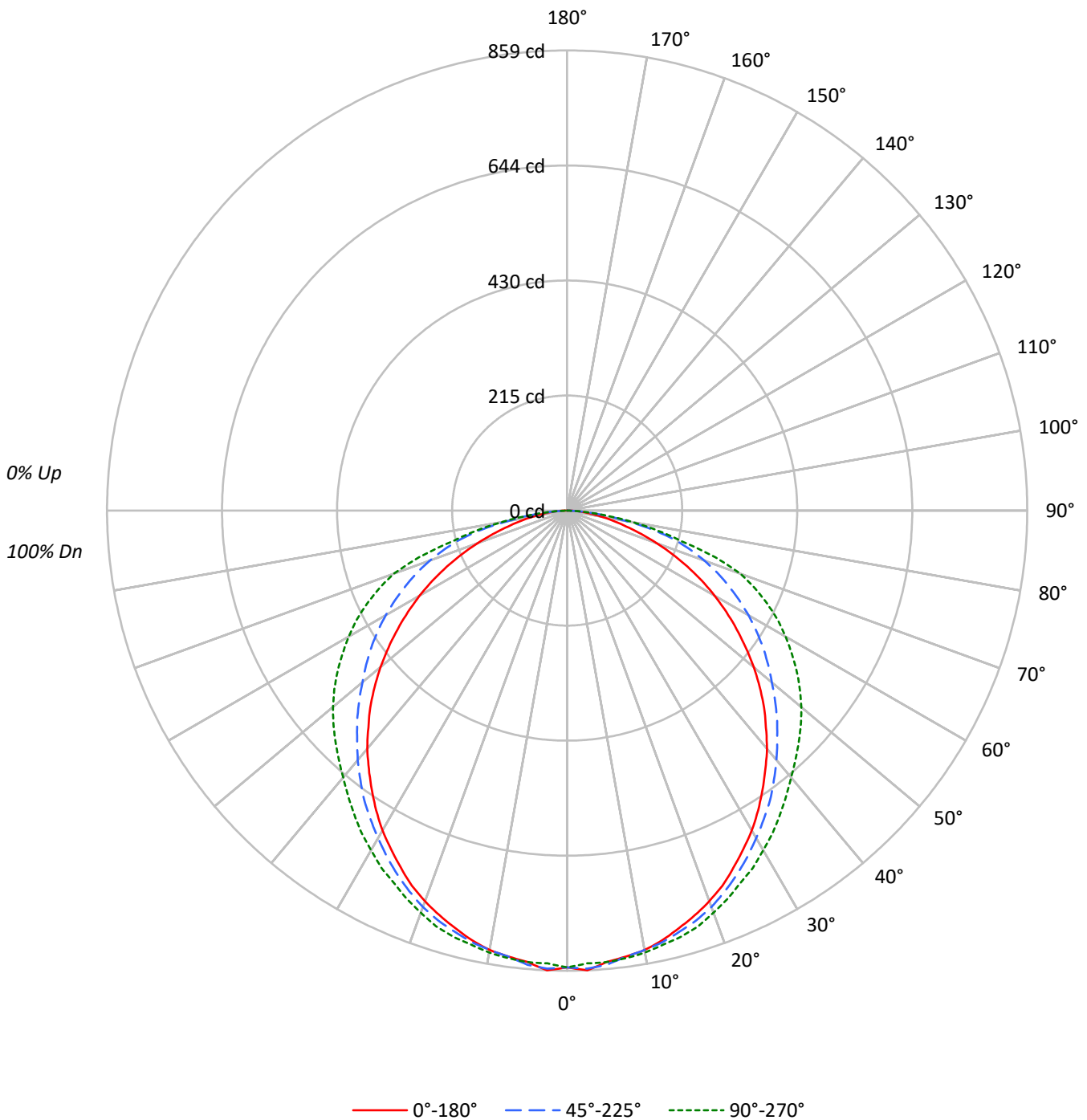
Input Watts (W): 25.761
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P260473

CATALOG NUMBER: 22CZ-LD5-34-RDP-UNV-L82765-W2A1-U-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P260473

CATALOG NUMBER: 22CZ-LD5-34-RDP-UNV-L82765-W2A1-U-3500K

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°	2294	2294	2294
5°	2286	2299	2286
10°	2276	2276	2290
15°	2248	2266	2294
20°	2222	2255	2288
25°	2183	2227	2275
30°	2143	2193	2275
35°	2089	2169	2276
40°	2039	2136	2285
45°	1979	2109	2326
50°	1904	2088	2389
55°	1813	2096	2455
60°	1711	2105	2535
65°	1578	2118	2626
70°	1398	2142	2707
75°	1186	2136	2305
80°	986	1719	1920
85°	855	1158	1108



TEST NUMBER: P260473

CATALOG NUMBER: 22CZ-LD5-34-RDP-UNV-L82765-W2A1-U-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	3.3
10°-20°	229.8	9.3
20°-30°	345.7	14.0
30°-40°	414.3	16.8
40°-50°	432.0	17.5
50°-60°	402.2	16.3
60°-70°	326.6	13.2
70°-80°	196.8	8.0
80°-90°	45.1	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°	656.0	26.5
0°-40°	1070.3	43.3
0°-60°	1904.5	77.0
0°-90°	2473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2473.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	853	853	853	853	853	
5°	846	846	851	853	846	80
15°	807	810	814	818	823	228
25°	735	740	750	760	766	339
35°	636	644	660	680	693	398
45°	520	530	554	590	611	400
55°	386	403	447	496	523	345
65°	248	274	333	385	412	245
75°	114	152	205	218	222	123
85°	28	34	38	36	36	32
90°	0	0	0	0	0	



TEST NUMBER: P260473

CATALOG NUMBER: 22CZ-LD5-34-RDP-UNV-L82765-W2A1-U-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	852.6	852.6	852.6	852.6	852.6
2.5°	859.1	857.5	855.9	851.0	846.1
5°	846.1	846.1	851.0	852.6	846.1
7.5°	839.6	839.6	839.6	846.1	842.8
10°	833.0	833.0	833.0	837.9	837.9
12.5°	821.6	823.3	824.9	826.5	829.8
15°	807.0	810.2	813.5	818.4	823.3
17.5°	792.3	795.5	802.1	807.0	813.5
20°	776.0	779.2	787.4	792.3	798.8
22.5°	758.0	759.7	769.5	776.0	784.1
25°	735.2	740.1	749.9	759.7	766.2
27.5°	712.4	717.3	728.7	741.7	751.5
30°	689.6	694.5	705.9	722.2	732.0
32.5°	663.5	670.0	683.1	702.6	714.0
35°	635.8	643.9	660.2	679.8	692.8
37.5°	608.1	616.2	634.1	658.6	671.6
40°	580.4	588.5	608.1	634.1	650.5
42.5°	549.4	559.2	580.4	611.3	630.9
45°	520.0	529.8	554.3	590.1	611.3
47.5°	487.4	498.8	526.6	567.3	591.8
50°	454.8	467.9	498.8	544.5	570.6
52.5°	420.6	435.3	472.8	520.0	547.7
55°	386.4	402.7	446.7	495.6	523.3
57.5°	352.1	370.1	419.0	469.5	497.2
60°	317.9	337.5	391.2	443.4	471.1
62.5°	283.7	304.8	361.9	414.1	443.4
65°	247.8	273.9	332.6	384.7	412.4
67.5°	211.9	242.9	303.2	353.8	379.8
70°	177.7	211.9	272.2	319.5	344.0
72.5°	145.1	181.0	239.6	280.4	290.2
75°	114.1	151.6	205.4	218.4	221.7
77.5°	88.0	122.3	163.0	166.3	174.4
80°	63.6	92.9	110.9	120.6	123.9
82.5°	44.0	63.6	73.4	75.0	76.6
85°	27.7	34.2	37.5	35.9	35.9
87.5°	14.7	13.0	11.4	8.2	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)