

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: P260530

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L92765-W2A1-U-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260530
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-L92765-W2A1-U-5000K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2341.0 lumens
Efficiency: N/A
Efficacy: 89.3 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

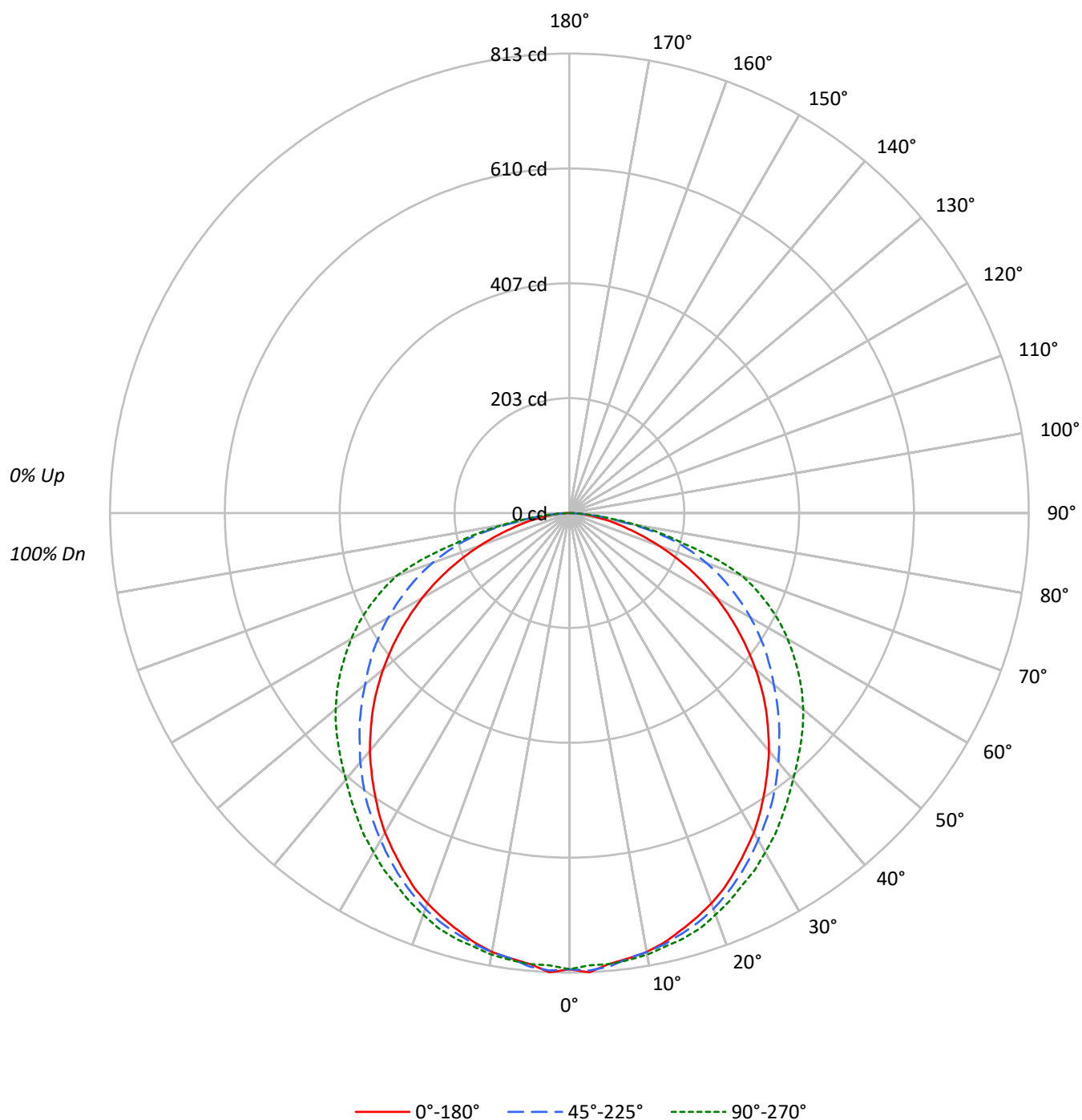
Input Watts (W): 26.226
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P260530

CATALOG NUMBER: 22CZ-LD5-34-RDP-UNV-L92765-W2A1-U-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P260530

CATALOG NUMBER: 22CZ-LD5-34-RDP-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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	104	99	95	106	101	97	94	97	94	91		93	90	88		89
2	98	90	83	77	96	88	81	76	84	79	74		81	77	73		78
3	89	79	70	64	87	77	69	63	74	67	62		71	66	61		69
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45
8	60	46	37	31	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2172	2172	2172
5°	2163	2176	2163
10°	2155	2155	2167
15°	2128	2145	2171
20°	2104	2135	2166
25°	2067	2108	2154
30°	2028	2076	2153
35°	1977	2053	2155
40°	1930	2022	2163
45°	1874	1997	2202
50°	1803	1977	2261
55°	1716	1984	2324
60°	1619	1993	2400
65°	1494	2004	2486
70°	1323	2028	2562
75°	1123	2021	2182
80°	933	1626	1818
85°	809	1096	1050



TEST NUMBER: P260530

CATALOG NUMBER: 22CZ-LD5-34-RDP-UNV-L92765-W2A1-U-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	3.3
10°-20°	217.5	9.3
20°-30°	327.2	14.0
30°-40°	392.1	16.8
40°-50°	408.9	17.5
50°-60°	380.7	16.3
60°-70°	309.2	13.2
70°-80°	186.3	8.0
80°-90°	42.7	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°	621.0	26.5
0°-40°	1013.1	43.3
0°-60°	1802.8	77.0
0°-90°	2341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	807	807	807	807	807	
5°	801	801	806	807	801	76
15°	764	767	770	775	779	216
25°	696	701	710	719	725	321
35°	602	610	625	644	656	377
45°	492	502	525	559	579	379
55°	366	381	423	469	495	327
65°	235	259	315	364	390	232
75°	108	144	194	207	210	117
85°	26	32	36	34	34	30
90°	0	0	0	0	0	



TEST NUMBER: P260530

CATALOG NUMBER: 22CZ-LD5-34-RDP-UNV-L92765-W2A1-U-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	807.1	807.1	807.1	807.1	807.1
2.5°	813.3	811.7	810.2	805.5	800.9
5°	800.9	800.9	805.5	807.1	800.9
7.5°	794.7	794.7	794.7	800.9	797.8
10°	788.6	788.6	788.6	793.2	793.2
12.5°	777.8	779.3	780.9	782.4	785.5
15°	763.9	767.0	770.1	774.7	779.3
17.5°	750.0	753.1	759.2	763.9	770.1
20°	734.6	737.6	745.4	750.0	756.2
22.5°	717.6	719.1	728.4	734.6	742.3
25°	696.0	700.6	709.9	719.1	725.3
27.5°	674.4	679.0	689.8	702.2	711.4
30°	652.8	657.4	668.2	683.6	692.9
32.5°	628.1	634.3	646.6	665.1	675.9
35°	601.8	609.6	625.0	643.5	655.9
37.5°	575.6	583.3	600.3	623.4	635.8
40°	549.4	557.1	575.6	600.3	615.7
42.5°	520.1	529.3	549.4	578.7	597.2
45°	492.3	501.5	524.7	558.6	578.7
47.5°	461.4	472.2	498.5	537.0	560.2
50°	430.6	442.9	472.2	515.4	540.1
52.5°	398.1	412.0	447.5	492.3	518.5
55°	365.7	381.2	422.8	469.1	495.4
57.5°	333.3	350.3	396.6	444.4	470.7
60°	300.9	319.4	370.4	419.7	446.0
62.5°	268.5	288.6	342.6	392.0	419.7
65°	234.6	259.3	314.8	364.2	390.4
67.5°	200.6	229.9	287.0	334.9	359.6
70°	168.2	200.6	257.7	302.5	325.6
72.5°	137.3	171.3	226.8	265.4	274.7
75°	108.0	143.5	194.4	206.8	209.9
77.5°	83.3	115.7	154.3	157.4	165.1
80°	60.2	88.0	104.9	114.2	117.3
82.5°	41.7	60.2	69.4	71.0	72.5
85°	26.2	32.4	35.5	34.0	34.0
87.5°	13.9	12.3	10.8	7.7	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)