

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: P260531

Luminaire Tested: **22CZ-LD5-34-RDP-UNV-L92765-W2A1-U-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P260531
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-5500K
Description: CRUZE 2x2 TUNABLE WHITE LED TROFFER
WITH RDP LENS
Light Source: (168) 90 CRI LEDS TUNED AT 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2377.0 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

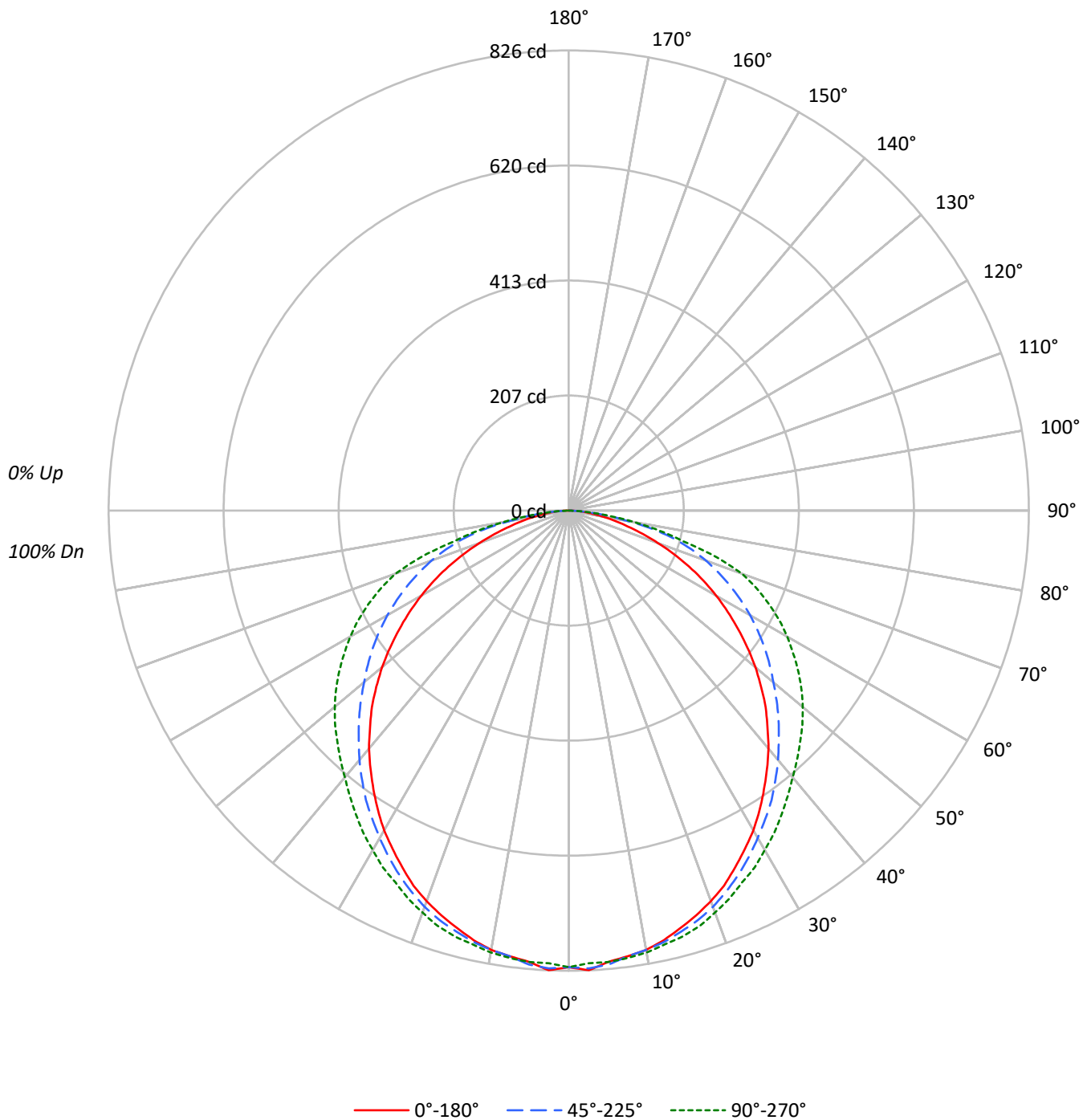
Input Watts (W): 26.412
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2205	2205	2205
5°	2197	2209	2197
10°	2188	2188	2201
15°	2161	2178	2204
20°	2136	2167	2199
25°	2098	2140	2187
30°	2060	2108	2186
35°	2008	2085	2188
40°	1959	2053	2196
45°	1902	2028	2236
50°	1830	2007	2296
55°	1742	2014	2360
60°	1644	2024	2437
65°	1517	2036	2524
70°	1344	2059	2601
75°	1141	2052	2216
80°	947	1652	1846
85°	821	1112	1065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	3.3
10°-20°	220.9	9.3
20°-30°	332.3	14.0
30°-40°	398.2	16.8
40°-50°	415.2	17.5
50°-60°	386.6	16.3
60°-70°	313.9	13.2
70°-80°	189.2	8.0
80°-90°	43.4	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°	630.5	26.5
0°-40°	1028.7	43.3
0°-60°	1830.5	77.0
0°-90°	2377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2377.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	813	813	818	820	813	77
15°	776	779	782	787	791	219
25°	707	711	721	730	736	326
35°	611	619	635	653	666	382
45°	500	509	533	567	588	385
55°	371	387	429	476	503	332
65°	238	263	320	370	396	236
75°	110	146	197	210	213	119
85°	27	33	36	34	34	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	819.5	819.5	819.5	819.5	819.5
2.5°	825.8	824.2	822.6	817.9	813.2
5°	813.2	813.2	817.9	819.5	813.2
7.5°	807.0	807.0	807.0	813.2	810.1
10°	800.7	800.7	800.7	805.4	805.4
12.5°	789.7	791.3	792.9	794.4	797.6
15°	775.6	778.8	781.9	786.6	791.3
17.5°	761.5	764.7	770.9	775.6	781.9
20°	745.9	749.0	756.8	761.5	767.8
22.5°	728.6	730.2	739.6	745.9	753.7
25°	706.7	711.4	720.8	730.2	736.5
27.5°	684.7	689.4	700.4	712.9	722.4
30°	662.8	667.5	678.5	694.1	703.5
32.5°	637.7	644.0	656.5	675.3	686.3
35°	611.1	618.9	634.6	653.4	665.9
37.5°	584.5	592.3	609.5	633.0	645.6
40°	557.8	565.7	584.5	609.5	625.2
42.5°	528.1	537.5	557.8	587.6	606.4
45°	499.8	509.2	532.8	567.2	587.6
47.5°	468.5	479.5	506.1	545.3	568.8
50°	437.2	449.7	479.5	523.4	548.4
52.5°	404.3	418.4	454.4	499.8	526.5
55°	371.4	387.0	429.3	476.3	503.0
57.5°	338.5	355.7	402.7	451.3	477.9
60°	305.5	324.4	376.1	426.2	452.8
62.5°	272.6	293.0	347.9	398.0	426.2
65°	238.2	263.2	319.7	369.8	396.4
67.5°	203.7	233.5	291.4	340.0	365.1
70°	170.8	203.7	261.7	307.1	330.6
72.5°	139.5	173.9	230.3	269.5	278.9
75°	109.7	145.7	197.4	210.0	213.1
77.5°	84.6	117.5	156.7	159.8	167.7
80°	61.1	89.3	106.6	116.0	119.1
82.5°	42.3	61.1	70.5	72.1	73.6
85°	26.6	32.9	36.0	34.5	34.5
87.5°	14.1	12.5	11.0	7.8	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)