

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: P731877

Luminaire Tested: **14CZ2-35-S-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275670)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-35-S-B2750-W2D-3000K
Description: 1X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

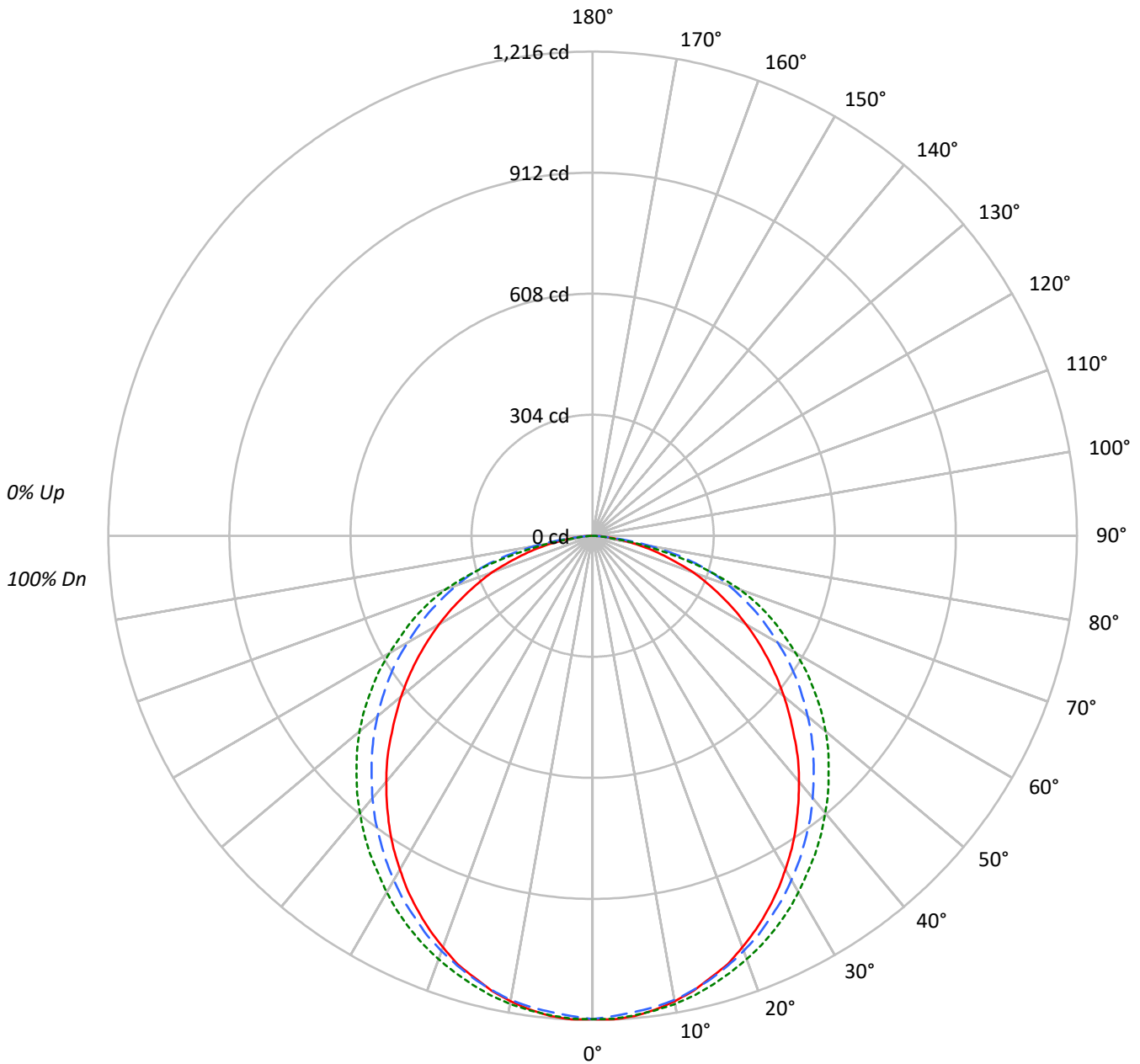
Lumens per Lamp: N/A
Luminaire Lumens: 3401.0 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): 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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	109	104	100	96	106	102	98	94	97	94	91	94	91	89	90	88	86	84																			
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70																			
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58																			
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50																			
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43																			
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38																			
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30																			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27																			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3427	3427	3427
5°	3431	3402	3425
10°	3402	3393	3422
15°	3356	3366	3410
20°	3302	3333	3399
25°	3235	3293	3388
30°	3154	3253	3369
35°	3068	3207	3358
40°	2970	3169	3349
45°	2861	3130	3346
50°	2755	3095	3355
55°	2639	3071	3344
60°	2514	3027	3322
65°	2366	3018	3323
70°	2227	2993	3228
75°	1931	2925	2758
80°	1562	2357	1837
85°	1036	816	547



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	3.4
10°-20°	326.2	9.6
20°-30°	489.4	14.4
30°-40°	583.8	17.2
40°-50°	603.5	17.7
50°-60°	551.0	16.2
60°-70°	433.6	12.7
70°-80°	252.4	7.4
80°-90°	46.5	1.4
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°	930.3	27.4
0°-40°	1514.0	44.5
0°-60°	2668.5	78.5
0°-90°	3401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3401.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1214	1214	1214	1214	1214	
5°	1211	1207	1201	1211	1209	115
15°	1148	1150	1152	1167	1167	324
25°	1039	1044	1057	1082	1088	478
35°	890	902	931	966	975	557
45°	717	740	784	828	838	553
55°	536	565	624	670	680	480
65°	354	391	452	487	498	352
75°	177	219	268	263	253	188
85°	32	46	25	20	17	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1214.1	1214.1	1214.1	1214.1	1214.1
2.5°	1215.8	1212.5	1207.3	1215.8	1214.1
5°	1210.8	1207.3	1200.7	1210.8	1208.9
7.5°	1200.7	1197.2	1193.9	1204.0	1202.3
10°	1187.0	1185.4	1183.7	1195.5	1193.9
12.5°	1170.3	1170.3	1168.7	1182.1	1182.1
15°	1148.4	1150.1	1151.7	1166.8	1166.8
17.5°	1128.2	1126.5	1131.5	1148.4	1150.1
20°	1099.4	1102.7	1109.6	1129.8	1131.5
22.5°	1070.7	1074.2	1086.0	1106.3	1111.2
25°	1038.7	1043.9	1057.3	1082.5	1087.7
27.5°	1005.0	1011.8	1030.2	1057.3	1062.2
30°	967.8	977.9	998.2	1028.6	1033.7
32.5°	930.8	941.0	966.2	996.5	1003.4
35°	890.3	902.1	930.8	966.2	974.6
37.5°	848.2	863.3	897.2	932.5	942.6
40°	806.0	823.0	860.0	897.2	908.9
42.5°	763.9	780.8	821.1	863.3	875.3
45°	716.6	740.3	784.1	827.9	838.1
47.5°	671.1	696.5	745.3	789.1	802.7
50°	627.3	652.5	704.8	750.5	763.9
52.5°	581.8	608.7	664.3	711.6	723.4
55°	536.2	564.9	624.0	669.5	679.6
57.5°	490.7	521.1	581.8	625.7	637.4
60°	445.3	477.3	536.2	580.0	588.5
62.5°	399.6	433.3	494.0	532.9	541.3
65°	354.2	391.1	451.9	487.4	497.5
67.5°	310.3	347.3	406.4	440.1	448.6
70°	269.8	303.5	362.6	387.8	391.1
72.5°	219.2	261.4	318.6	332.2	323.8
75°	177.1	219.2	268.2	263.0	252.9
77.5°	134.9	177.1	209.1	192.2	178.7
80°	96.1	138.2	145.0	119.6	113.0
82.5°	62.4	96.1	81.0	62.4	50.6
85°	32.0	45.5	25.2	20.2	16.9
87.5°	10.1	6.8	3.3	3.3	1.7
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)