

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: P732397

Luminaire Tested: **24CZ2-65HE-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P732397  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CZ2-65HE-RDP-B2750-W2D-3000K  
Description: 2X4 6500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

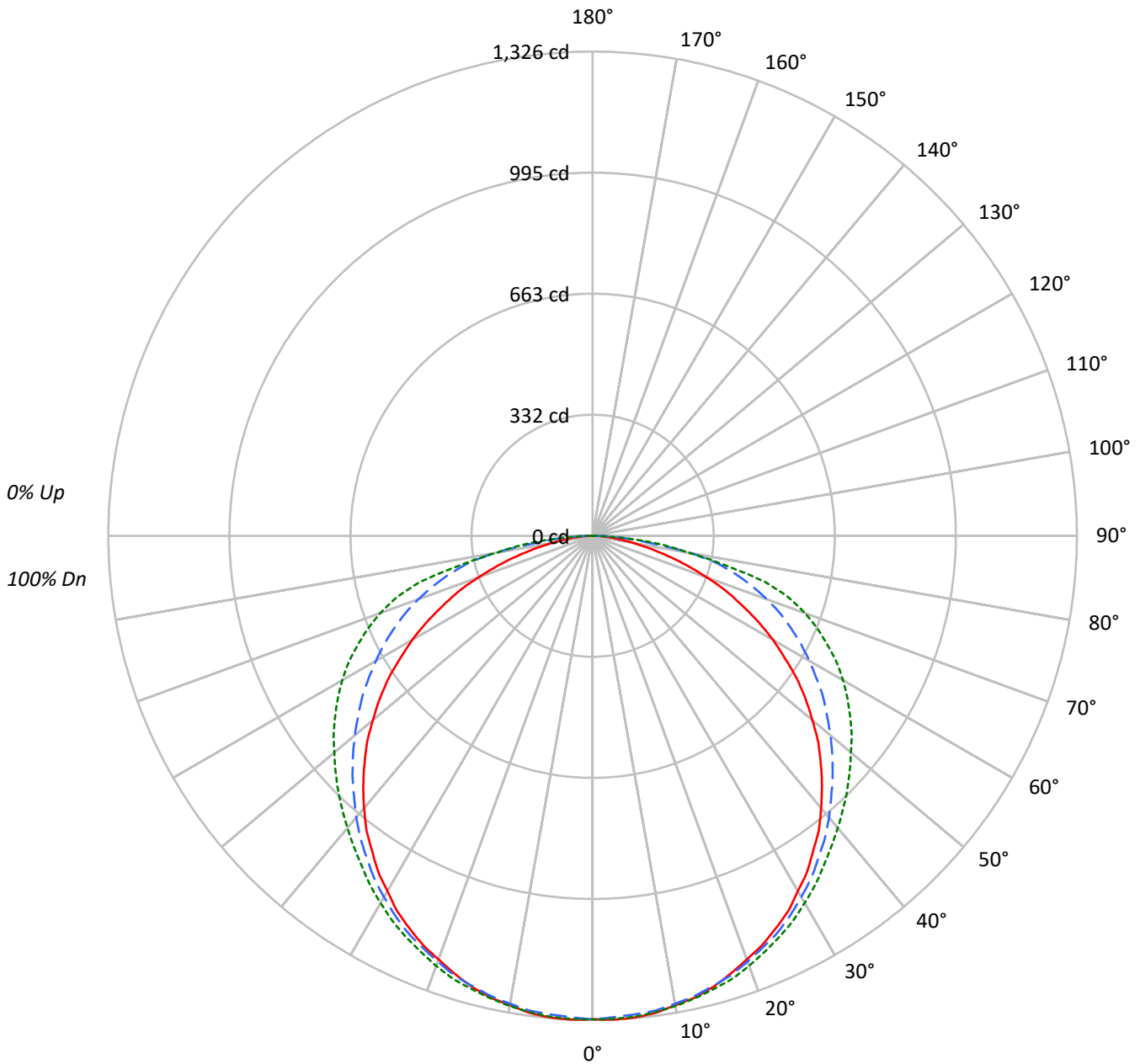
Lumens per Lamp: N/A  
Luminaire Lumens: 4211.0 lumens  
Efficiency: N/A  
Efficacy: 84.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 50  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82																			
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67																			
3	88	77	68	62	86	76	68	61	72	66	60	70	64	59	67	62	58	56																			
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47																			
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40																			
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35																			
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31																			
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27																			
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24																			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1869	1869	1869
5°	1876	1864	1873
10°	1871	1865	1874
15°	1868	1865	1877
20°	1854	1863	1882
25°	1848	1867	1886
30°	1831	1862	1893
35°	1814	1857	1900
40°	1793	1855	1924
45°	1763	1855	1968
50°	1724	1866	2027
55°	1681	1896	2118
60°	1609	1934	2234
65°	1506	2002	2372
70°	1371	2094	2551
75°	1162	2210	2665
80°	917	2223	2155
85°	677	1692	1893



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.6	3.0
10°-20°	361.5	8.6
20°-30°	552.8	13.1
30°-40°	675.8	16.0
40°-50°	720.3	17.1
50°-60°	688.7	16.4
60°-70°	583.4	13.9
70°-80°	392.1	9.3
80°-90°	110.6	2.6
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°	1040.0	24.7
0°-40°	1715.8	40.7
0°-60°	3124.9	74.2
0°-90°	4211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4211.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1324	1324	1324	1324	1324	
5°	1324	1322	1316	1322	1322	126
15°	1278	1278	1276	1287	1284	360
25°	1186	1190	1199	1209	1211	547
35°	1053	1061	1078	1099	1103	659
45°	884	898	930	969	986	682
55°	683	708	771	831	861	608
65°	451	497	599	679	710	448
75°	213	290	405	474	489	228
85°	42	86	104	113	117	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1324.3	1324.3	1324.3	1324.3	1324.3
2.5°	1326.3	1326.3	1320.0	1324.3	1324.3
5°	1324.3	1322.2	1315.9	1322.2	1322.2
7.5°	1318.0	1315.9	1311.7	1318.0	1315.9
10°	1305.4	1305.4	1301.3	1307.6	1307.6
12.5°	1295.0	1293.0	1290.8	1299.1	1297.1
15°	1278.4	1278.4	1276.1	1286.7	1284.5
17.5°	1257.5	1259.5	1261.5	1269.9	1272.1
20°	1234.3	1238.6	1240.6	1253.2	1253.2
22.5°	1213.4	1215.7	1219.7	1232.3	1232.3
25°	1186.5	1190.5	1198.8	1209.4	1211.4
27.5°	1159.3	1161.3	1171.9	1186.5	1188.5
30°	1123.8	1130.1	1142.4	1159.3	1161.3
32.5°	1092.3	1098.6	1113.2	1130.1	1134.1
35°	1052.8	1061.1	1077.7	1098.6	1102.9
37.5°	1017.2	1023.5	1044.4	1067.4	1073.7
40°	973.4	985.8	1006.7	1033.9	1044.4
42.5°	929.6	941.9	967.1	1002.6	1015.2
45°	883.5	898.1	929.6	969.1	985.8
47.5°	837.7	854.3	889.8	935.6	954.5
50°	785.3	806.2	850.0	902.4	923.3
52.5°	735.2	760.3	808.5	866.9	894.1
55°	683.0	708.0	770.7	831.4	860.6
57.5°	624.6	657.8	726.9	795.9	827.1
60°	570.2	601.4	685.0	760.3	791.6
62.5°	511.8	553.6	643.2	722.6	754.1
65°	451.1	497.2	599.4	678.7	710.2
67.5°	396.9	447.0	555.6	634.9	666.4
70°	332.2	394.7	507.5	586.8	618.3
72.5°	271.5	340.5	457.4	534.7	563.9
75°	213.1	290.4	405.2	474.2	488.8
77.5°	158.7	240.3	350.8	380.0	369.7
80°	112.8	192.2	273.5	258.9	265.2
82.5°	73.0	146.3	169.2	192.2	198.5
85°	41.8	85.6	104.5	112.8	116.9
87.5°	18.9	31.2	41.8	41.8	39.8
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)