

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: P732336

Luminaire Tested: **24CZ2-55HE-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272125)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-55HE-B2750-W2D-2700K
Description: 2X4 5500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

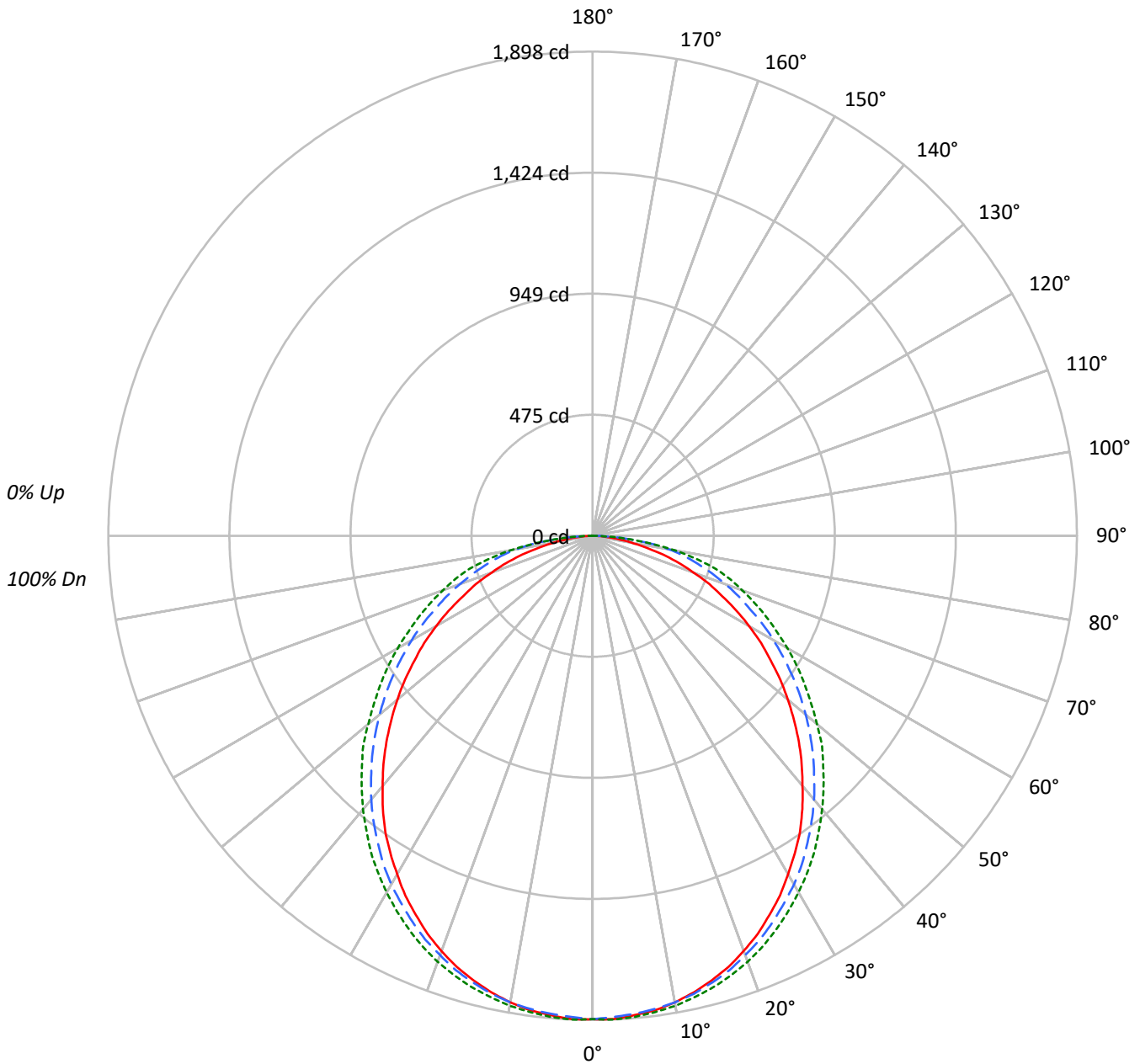
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5394.0 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42
Input Voltage (V): NR
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: P732336
CATALOG NUMBER: 24CZ2-55HE-B2750-W2D-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P732336

CATALOG NUMBER: 24CZ2-55HE-B2750-W2D-2700K

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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42																			
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37																			
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33																			
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26																			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2674	2674	2674
5°	2673	2665	2682
10°	2662	2662	2681
15°	2636	2649	2676
20°	2602	2627	2669
25°	2553	2601	2652
30°	2496	2572	2630
35°	2441	2530	2610
40°	2358	2487	2579
45°	2281	2438	2551
50°	2193	2393	2521
55°	2095	2348	2496
60°	1997	2311	2490
65°	1871	2272	2506
70°	1732	2284	2573
75°	1551	2327	2718
80°	1253	2464	2659
85°	942	2163	2110



TEST NUMBER: P732336

CATALOG NUMBER: 24CZ2-55HE-B2750-W2D-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.4	3.3
10°-20°	512.6	9.5
20°-30°	770.5	14.3
30°-40°	917.8	17.0
40°-50°	939.4	17.4
50°-60°	845.7	15.7
60°-70°	664.2	12.3
70°-80°	431.0	8.0
80°-90°	133.3	2.5
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°	1462.5	27.1
0°-40°	2380.4	44.1
0°-60°	4165.5	77.2
0°-90°	5394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1895	1895	1895	1895	1895	
5°	1886	1890	1881	1892	1893	179
15°	1804	1809	1813	1828	1832	509
25°	1640	1653	1670	1698	1703	755
35°	1417	1434	1468	1504	1515	884
45°	1143	1170	1222	1268	1278	881
55°	852	889	954	1004	1014	763
65°	560	603	680	737	750	558
75°	284	339	427	485	498	301
85°	58	108	134	130	130	70
90°	0	0	0	0	0	



TEST NUMBER: P732336

CATALOG NUMBER: 24CZ2-55HE-B2750-W2D-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1895.0	1895.0	1895.0	1895.0	1895.0
2.5°	1896.7	1896.7	1888.0	1896.7	1898.3
5°	1886.4	1889.9	1881.2	1891.5	1893.2
7.5°	1876.0	1876.0	1870.9	1881.2	1883.1
10°	1857.3	1858.9	1857.3	1869.2	1870.9
12.5°	1833.3	1836.6	1838.5	1850.4	1852.1
15°	1804.2	1809.4	1812.7	1828.2	1831.7
17.5°	1771.6	1776.8	1785.2	1802.3	1805.9
20°	1732.2	1739.0	1749.3	1771.6	1776.8
22.5°	1689.4	1696.2	1713.4	1733.8	1742.5
25°	1639.7	1653.3	1670.4	1697.9	1703.1
27.5°	1589.9	1601.9	1624.2	1653.3	1660.3
30°	1531.7	1550.5	1578.0	1607.1	1613.9
32.5°	1475.2	1493.9	1526.6	1557.5	1566.0
35°	1416.9	1434.1	1468.3	1504.3	1514.6
37.5°	1350.1	1372.4	1410.1	1446.0	1456.4
40°	1279.9	1307.3	1350.1	1387.8	1399.8
42.5°	1213.0	1242.1	1285.0	1326.1	1339.7
45°	1142.8	1170.3	1221.7	1267.9	1278.2
47.5°	1070.8	1101.7	1156.4	1202.7	1219.8
50°	998.9	1031.5	1089.7	1137.6	1148.0
52.5°	926.9	961.1	1022.9	1074.3	1079.4
55°	851.5	889.3	954.3	1004.1	1014.4
57.5°	783.0	815.6	885.8	937.2	949.2
60°	707.6	743.6	818.9	867.0	882.3
62.5°	635.6	673.4	752.2	800.1	813.8
65°	560.3	603.2	680.2	736.8	750.4
67.5°	495.2	536.3	618.5	673.4	687.0
70°	419.7	466.1	553.4	610.0	623.6
72.5°	354.6	402.5	490.1	544.8	565.4
75°	284.5	339.2	426.7	484.9	498.5
77.5°	215.9	279.3	368.3	412.9	412.9
80°	154.2	221.1	303.2	323.9	327.2
82.5°	101.2	166.2	224.4	222.7	222.7
85°	58.2	108.0	133.6	130.3	130.3
87.5°	22.3	44.6	47.9	47.9	46.2
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)