

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: P732351

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

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P732351
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-S-B2750-W2D-2700K
Description: 2X4 5500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

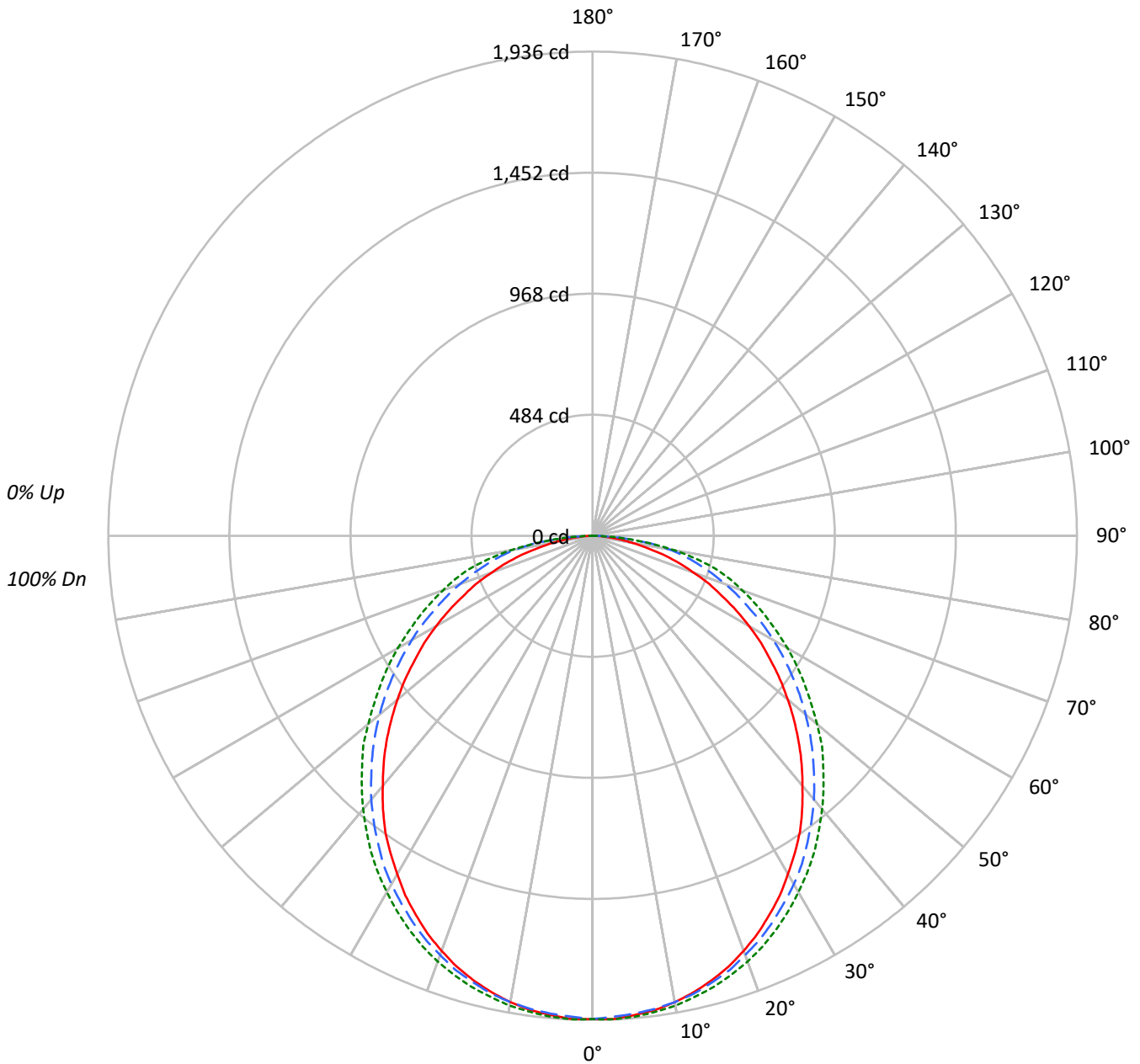
Lumens per Lamp: N/A
Luminaire Lumens: 5500.0 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42
Input Voltage (V): NR
Input Current (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	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°	2727	2727	2727
5°	2725	2718	2735
10°	2714	2714	2734
15°	2688	2701	2729
20°	2653	2679	2721
25°	2604	2652	2704
30°	2545	2622	2682
35°	2489	2580	2661
40°	2404	2536	2630
45°	2326	2486	2601
50°	2236	2440	2570
55°	2137	2394	2545
60°	2037	2357	2539
65°	1908	2316	2555
70°	1766	2329	2624
75°	1582	2373	2772
80°	1278	2513	2711
85°	962	2206	2150



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.9	3.3
10°-20°	522.7	9.5
20°-30°	785.7	14.3
30°-40°	935.9	17.0
40°-50°	957.8	17.4
50°-60°	862.3	15.7
60°-70°	677.2	12.3
70°-80°	439.5	8.0
80°-90°	135.9	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°	1491.3	27.1
0°-40°	2427.2	44.1
0°-60°	4247.3	77.2
0°-90°	5500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5500.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1932	1932	1932	1932	1932	
5°	1923	1927	1918	1929	1930	183
15°	1840	1845	1848	1864	1868	519
25°	1672	1686	1703	1731	1736	770
35°	1445	1462	1497	1534	1544	901
45°	1165	1193	1246	1293	1303	898
55°	868	907	973	1024	1034	778
65°	571	615	694	751	765	569
75°	290	346	435	494	508	307
85°	59	110	136	133	133	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1932.3	1932.3	1932.3	1932.3	1932.3
2.5°	1934.0	1934.0	1925.1	1934.0	1935.6
5°	1923.4	1927.0	1918.2	1928.7	1930.4
7.5°	1912.9	1912.9	1907.6	1918.2	1920.1
10°	1893.8	1895.4	1893.8	1906.0	1907.6
12.5°	1869.3	1872.7	1874.6	1886.8	1888.5
15°	1839.7	1844.9	1848.3	1864.1	1867.7
17.5°	1806.4	1811.7	1820.3	1837.8	1841.3
20°	1766.2	1773.1	1783.7	1806.4	1811.7
22.5°	1722.6	1729.6	1747.0	1767.9	1776.7
25°	1671.9	1685.8	1703.3	1731.3	1736.5
27.5°	1621.2	1633.4	1656.1	1685.8	1693.0
30°	1561.8	1581.0	1609.0	1638.6	1645.6
32.5°	1504.1	1523.3	1556.6	1588.1	1596.8
35°	1444.8	1462.3	1497.2	1533.8	1544.3
37.5°	1376.6	1399.3	1437.8	1474.5	1485.0
40°	1305.0	1333.0	1376.6	1415.1	1427.3
42.5°	1236.8	1266.5	1310.3	1352.2	1366.1
45°	1165.3	1193.3	1245.7	1292.8	1303.3
47.5°	1091.8	1123.4	1179.2	1226.3	1243.8
50°	1018.5	1051.8	1111.2	1160.0	1170.5
52.5°	945.1	980.0	1043.0	1095.4	1100.6
55°	868.3	906.8	973.1	1023.8	1034.3
57.5°	798.4	831.6	903.2	955.6	967.8
60°	721.6	758.2	835.0	884.0	899.6
62.5°	648.1	686.6	767.0	815.8	829.7
65°	571.3	615.0	693.6	751.2	765.1
67.5°	505.0	546.8	630.6	686.6	700.5
70°	427.9	475.3	564.3	622.0	635.9
72.5°	361.6	410.5	499.7	555.5	576.5
75°	290.1	345.8	435.1	494.4	508.3
77.5°	220.2	284.8	375.5	421.0	421.0
80°	157.2	225.4	309.2	330.3	333.6
82.5°	103.1	169.4	228.8	227.1	227.1
85°	59.4	110.1	136.2	132.8	132.8
87.5°	22.7	45.5	48.8	48.8	47.1
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)