

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: P732386

Luminaire Tested: **24CZ2-65HE-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732386
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: 24CZ2-65HE-B2750-W2D-2700K
Description: 2X4 6500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

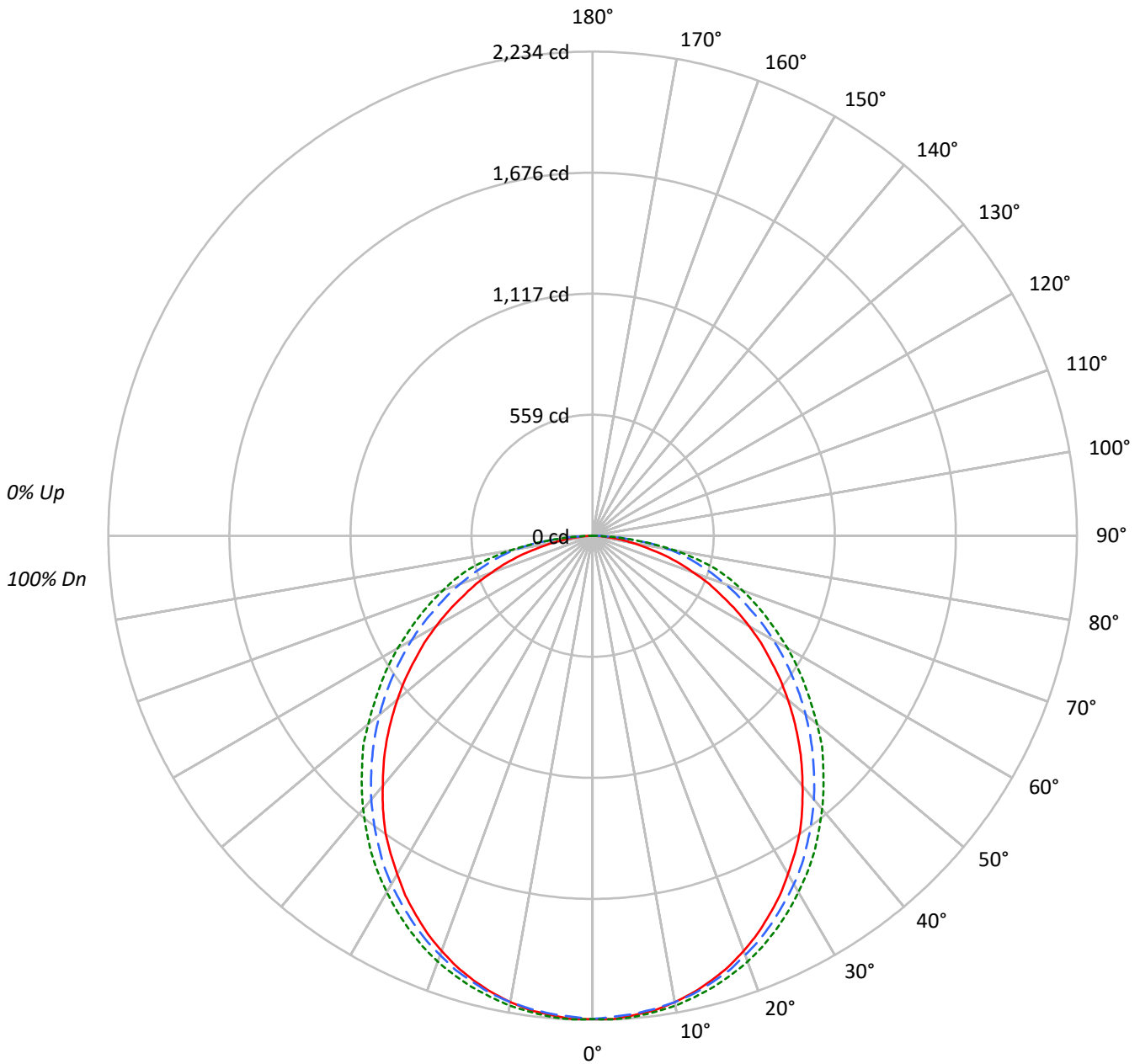
Lumens per Lamp: N/A
Luminaire Lumens: 6347.0 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 50
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

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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°	3147	3147	3147
5°	3145	3136	3156
10°	3132	3132	3155
15°	3102	3116	3149
20°	3061	3092	3140
25°	3005	3061	3121
30°	2937	3026	3095
35°	2873	2977	3071
40°	2775	2927	3035
45°	2684	2869	3002
50°	2581	2815	2966
55°	2466	2763	2937
60°	2350	2720	2931
65°	2201	2673	2949
70°	2038	2687	3028
75°	1825	2738	3199
80°	1474	2900	3129
85°	1109	2546	2482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.1	3.3
10°-20°	603.2	9.5
20°-30°	906.7	14.3
30°-40°	1080.0	17.0
40°-50°	1105.3	17.4
50°-60°	995.2	15.7
60°-70°	781.5	12.3
70°-80°	507.2	8.0
80°-90°	156.9	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°	1720.9	27.1
0°-40°	2800.9	44.1
0°-60°	4901.4	77.2
0°-90°	6347.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6347.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2230	2230	2230	2230	2230	
5°	2220	2224	2214	2226	2228	211
15°	2123	2129	2133	2151	2155	599
25°	1929	1945	1966	1998	2004	889
35°	1667	1687	1728	1770	1782	1040
45°	1345	1377	1438	1492	1504	1037
55°	1002	1046	1123	1182	1194	898
65°	659	710	800	867	883	656
75°	335	399	502	571	587	354
85°	68	127	157	153	153	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2229.8	2229.8	2229.8	2229.8	2229.8
2.5°	2231.8	2231.8	2221.6	2231.8	2233.7
5°	2219.6	2223.8	2213.6	2225.7	2227.7
7.5°	2207.5	2207.5	2201.4	2213.6	2215.8
10°	2185.4	2187.3	2185.4	2199.5	2201.4
12.5°	2157.2	2161.1	2163.3	2177.4	2179.3
15°	2123.0	2129.0	2132.9	2151.1	2155.3
17.5°	2084.6	2090.7	2100.6	2120.8	2124.9
20°	2038.2	2046.2	2058.4	2084.6	2090.7
22.5°	1987.9	1995.9	2016.1	2040.1	2050.3
25°	1929.4	1945.4	1965.6	1997.9	2003.9
27.5°	1870.8	1884.9	1911.2	1945.4	1953.7
30°	1802.3	1824.4	1856.7	1891.0	1899.0
32.5°	1735.8	1757.9	1796.3	1832.7	1842.7
35°	1667.3	1687.4	1727.8	1770.0	1782.2
37.5°	1588.6	1614.8	1659.3	1701.5	1713.7
40°	1506.0	1538.3	1588.6	1633.0	1647.1
42.5°	1427.3	1461.5	1512.1	1560.4	1576.4
45°	1344.7	1377.0	1437.5	1491.9	1504.1
47.5°	1259.9	1296.4	1360.7	1415.2	1435.3
50°	1175.4	1213.8	1282.3	1338.6	1350.8
52.5°	1090.6	1131.0	1203.6	1264.1	1270.1
55°	1002.0	1046.4	1122.9	1181.5	1193.6
57.5°	921.3	959.7	1042.3	1102.8	1116.9
60°	832.7	874.9	963.6	1020.2	1038.2
62.5°	747.9	792.3	885.1	941.5	957.5
65°	659.2	709.8	800.4	866.9	883.0
67.5°	582.7	631.1	727.7	792.3	808.4
70°	493.8	548.5	651.2	717.8	733.8
72.5°	417.3	473.7	576.7	641.0	665.3
75°	334.7	399.1	502.1	570.6	586.6
77.5°	254.1	328.6	433.3	485.8	485.8
80°	181.4	260.1	356.8	381.1	385.0
82.5°	119.0	195.5	264.0	262.1	262.1
85°	68.5	127.0	157.2	153.3	153.3
87.5°	26.2	52.5	56.4	56.4	54.4
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)