

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: P732401

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732401
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-S-B2750-W2D-2700K
Description: 2X4 6500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

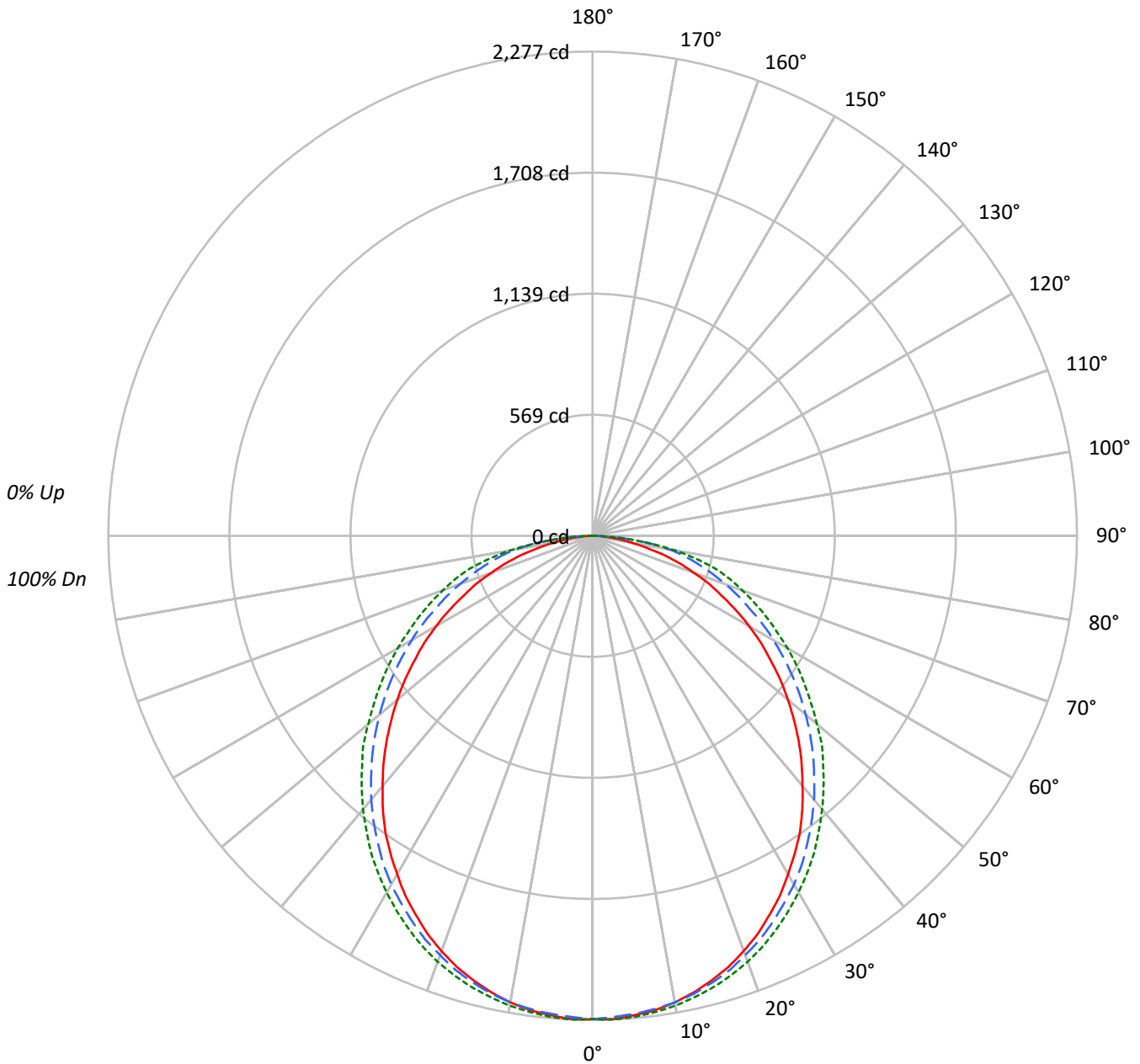
Lumens per Lamp: N/A
Luminaire Lumens: 6471.0 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 50
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				20				20	
RC	80				70				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				100
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83				83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69				69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58				58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49				49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42				42
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37				37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33				33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29				29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26				26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3209	3209	3209
5°	3206	3197	3218
10°	3193	3193	3216
15°	3162	3177	3211
20°	3121	3152	3201
25°	3063	3121	3182
30°	2995	3085	3155
35°	2929	3035	3131
40°	2829	2984	3094
45°	2736	2925	3061
50°	2631	2870	3024
55°	2513	2817	2994
60°	2396	2773	2988
65°	2244	2725	3006
70°	2078	2740	3087
75°	1861	2791	3261
80°	1504	2957	3190
85°	1130	2594	2531



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.2	3.3
10°-20°	614.9	9.5
20°-30°	924.4	14.3
30°-40°	1101.1	17.0
40°-50°	1126.9	17.4
50°-60°	1014.6	15.7
60°-70°	796.8	12.3
70°-80°	517.1	8.0
80°-90°	159.9	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°	1754.5	27.1
0°-40°	2855.7	44.1
0°-60°	4997.2	77.2
0°-90°	6471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6471.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2273	2273	2273	2273	2273	
5°	2263	2267	2257	2269	2271	215
15°	2164	2171	2175	2193	2197	610
25°	1967	1983	2004	2037	2043	906
35°	1700	1720	1762	1805	1817	1060
45°	1371	1404	1466	1521	1533	1057
55°	1022	1067	1145	1205	1217	916
65°	672	724	816	884	900	669
75°	341	407	512	582	598	361
85°	70	130	160	156	156	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2273.4	2273.4	2273.4	2273.4	2273.4
2.5°	2275.4	2275.4	2265.0	2275.4	2277.4
5°	2263.0	2267.2	2256.8	2269.2	2271.2
7.5°	2250.6	2250.6	2244.4	2256.8	2259.0
10°	2228.1	2230.1	2228.1	2242.5	2244.4
12.5°	2199.4	2203.3	2205.6	2219.9	2221.9
15°	2164.4	2170.6	2174.6	2193.2	2197.4
17.5°	2125.3	2131.5	2141.7	2162.2	2166.4
20°	2078.0	2086.2	2098.6	2125.3	2131.5
22.5°	2026.8	2034.9	2055.5	2080.0	2090.4
25°	1967.1	1983.4	2004.0	2036.9	2043.1
27.5°	1907.4	1921.7	1948.5	1983.4	1991.8
30°	1837.5	1860.1	1893.0	1927.9	1936.1
32.5°	1769.7	1792.2	1831.4	1868.5	1878.7
35°	1699.9	1720.4	1761.5	1804.6	1817.0
37.5°	1619.6	1646.4	1691.7	1734.8	1747.2
40°	1535.4	1568.4	1619.6	1664.9	1679.3
42.5°	1455.2	1490.1	1541.6	1590.9	1607.2
45°	1371.0	1403.9	1465.6	1521.1	1533.4
47.5°	1284.6	1321.7	1387.3	1442.8	1463.4
50°	1198.4	1237.5	1307.3	1364.8	1377.2
52.5°	1111.9	1153.0	1227.1	1288.8	1295.0
55°	1021.5	1066.9	1144.9	1204.6	1216.9
57.5°	939.3	978.5	1062.7	1124.3	1138.7
60°	848.9	892.0	982.4	1040.1	1058.4
62.5°	762.5	807.8	902.4	959.9	976.2
65°	672.1	723.6	816.0	883.9	900.2
67.5°	594.1	643.4	742.0	807.8	824.2
70°	503.5	559.2	663.9	731.8	748.1
72.5°	425.5	482.9	587.9	653.5	678.3
75°	341.3	406.9	511.9	581.7	598.1
77.5°	259.0	335.1	441.8	495.3	495.3
80°	185.0	265.2	363.8	388.6	392.5
82.5°	121.3	199.4	269.2	267.2	267.2
85°	69.8	129.5	160.2	156.3	156.3
87.5°	26.7	53.5	57.5	57.5	55.5
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)