

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: P732407

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P388488)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-65HE-SQR-B2750-W2D-3000K
Description: 2X4 6500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

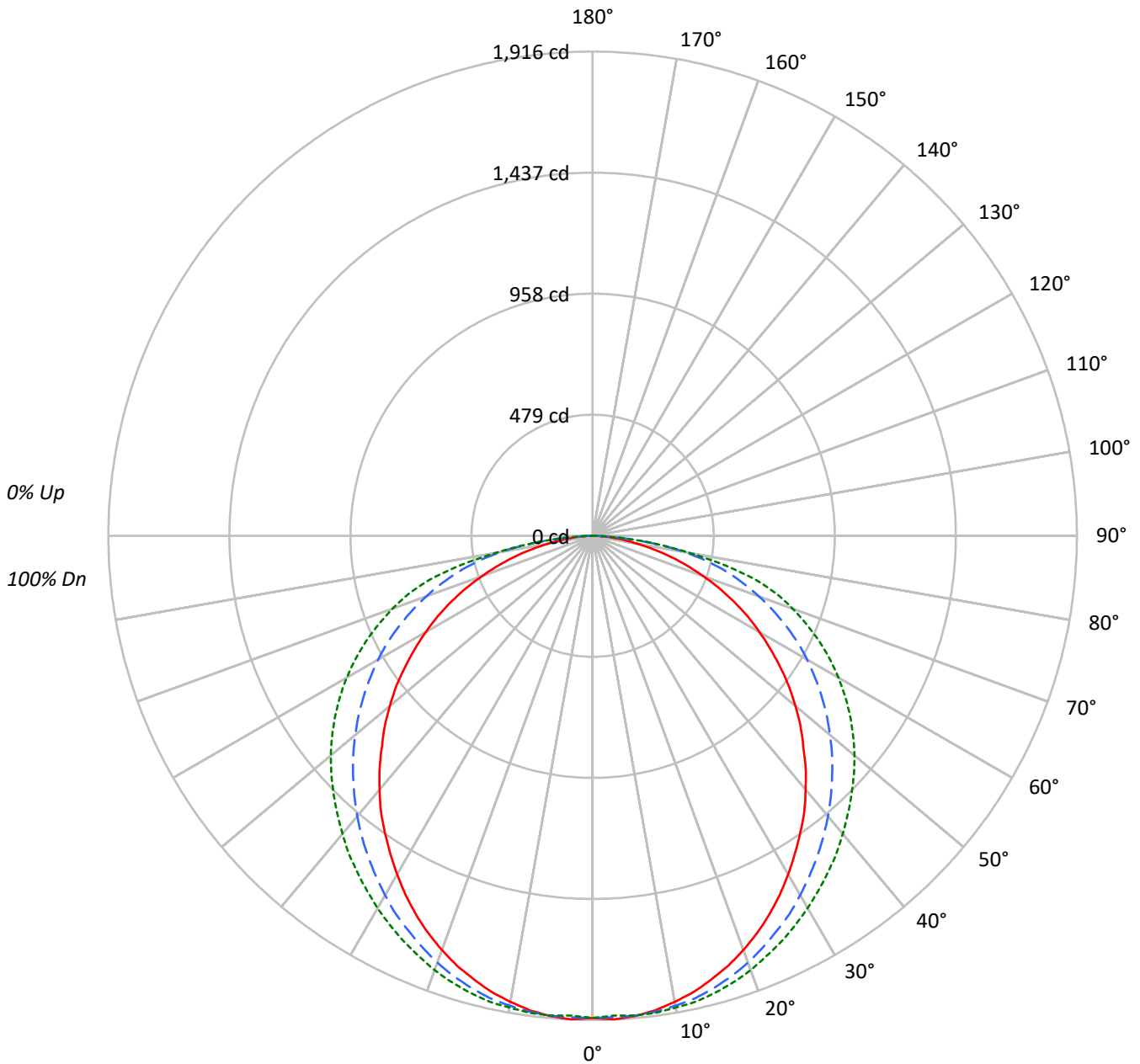
Lumens per Lamp: N/A
Luminaire Lumens: 5969.0 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.33 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 50
Input Voltage (V): NR
Input Current (A_{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					
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								
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	89	86	84	82								
2	98	89	81	75	95	87	80	74	83	78	73	80	75	71	77	73	69	67								
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56								
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47								
5	74	61	51	44	72	60	51	44	57	50	44	55	49	43	54	48	43	41								
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35								
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31								
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28								
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25								
10	52	38	30	25	50	37	30	24	36	29	24	36	29	24	35	29	24	22								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2693	2693	2693
5°	2703	2700	2700
10°	2684	2706	2717
15°	2655	2707	2736
20°	2620	2700	2747
25°	2575	2686	2756
30°	2521	2676	2772
35°	2469	2669	2798
40°	2415	2669	2836
45°	2352	2675	2892
50°	2298	2692	2969
55°	2231	2721	3060
60°	2153	2765	3171
65°	2060	2817	3304
70°	1911	2888	3473
75°	1731	2988	3633
80°	1457	2996	3123
85°	1116	2265	2265



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.1	3.0
10°-20°	521.1	8.7
20°-30°	791.5	13.3
30°-40°	962.7	16.1
40°-50°	1025.0	17.2
50°-60°	976.3	16.4
60°-70°	816.4	13.7
70°-80°	544.3	9.1
80°-90°	150.6	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°	1493.7	25.0
0°-40°	2456.4	41.2
0°-60°	4457.7	74.7
0°-90°	5969.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5969.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1908	1908	1908	1908	1908	
5°	1908	1896	1906	1906	1906	181
15°	1817	1821	1853	1867	1872	513
25°	1654	1675	1725	1754	1770	761
35°	1433	1474	1549	1600	1624	897
45°	1179	1242	1340	1415	1449	911
55°	907	985	1106	1202	1244	811
65°	617	708	844	948	990	609
75°	317	418	548	641	666	336
85°	69	128	140	138	140	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1907.9	1907.9	1907.9	1907.9	1907.9
2.5°	1915.8	1902.0	1907.9	1907.9	1900.2
5°	1907.9	1896.1	1906.1	1906.1	1906.1
7.5°	1894.3	1884.3	1900.2	1904.0	1904.0
10°	1872.5	1868.7	1888.4	1894.3	1896.1
12.5°	1849.0	1846.9	1874.6	1882.3	1888.4
15°	1817.2	1821.3	1852.8	1866.6	1872.5
17.5°	1783.9	1791.6	1827.2	1846.9	1852.8
20°	1744.4	1756.2	1797.7	1817.2	1829.2
22.5°	1701.2	1718.8	1762.1	1785.7	1799.5
25°	1653.8	1675.3	1724.7	1754.2	1770.1
27.5°	1602.5	1630.2	1687.3	1720.6	1736.5
30°	1547.2	1578.7	1642.0	1681.4	1701.2
32.5°	1490.1	1527.5	1596.6	1639.9	1663.5
35°	1433.0	1474.5	1549.3	1600.5	1624.1
37.5°	1375.8	1417.1	1500.1	1555.1	1584.9
40°	1310.8	1360.0	1448.8	1509.8	1539.5
42.5°	1247.8	1300.8	1395.6	1462.4	1494.2
45°	1178.6	1241.9	1340.2	1415.3	1448.8
47.5°	1115.6	1178.6	1285.2	1364.1	1401.5
50°	1046.7	1113.5	1226.0	1312.8	1352.3
52.5°	979.6	1048.7	1166.8	1259.5	1299.0
55°	906.8	985.4	1105.8	1202.4	1243.7
57.5°	833.8	918.6	1042.6	1143.2	1184.7
60°	762.8	849.4	979.6	1080.2	1123.5
62.5°	691.9	778.5	914.5	1017.0	1058.5
65°	616.8	707.5	843.5	948.0	989.5
67.5°	542.0	636.6	772.6	877.1	916.5
70°	463.1	563.8	699.8	802.3	841.7
72.5°	390.4	490.8	624.8	725.4	762.8
75°	317.4	417.8	547.9	640.7	666.3
77.5°	246.4	346.8	463.1	524.4	530.3
80°	179.3	274.1	368.6	386.3	384.2
82.5°	120.1	204.9	254.4	256.2	262.1
85°	68.9	128.1	139.9	138.1	139.9
87.5°	27.7	45.3	39.4	29.5	29.5
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)