

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: P732406

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732406
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-2700K
Description: 2X4 6500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

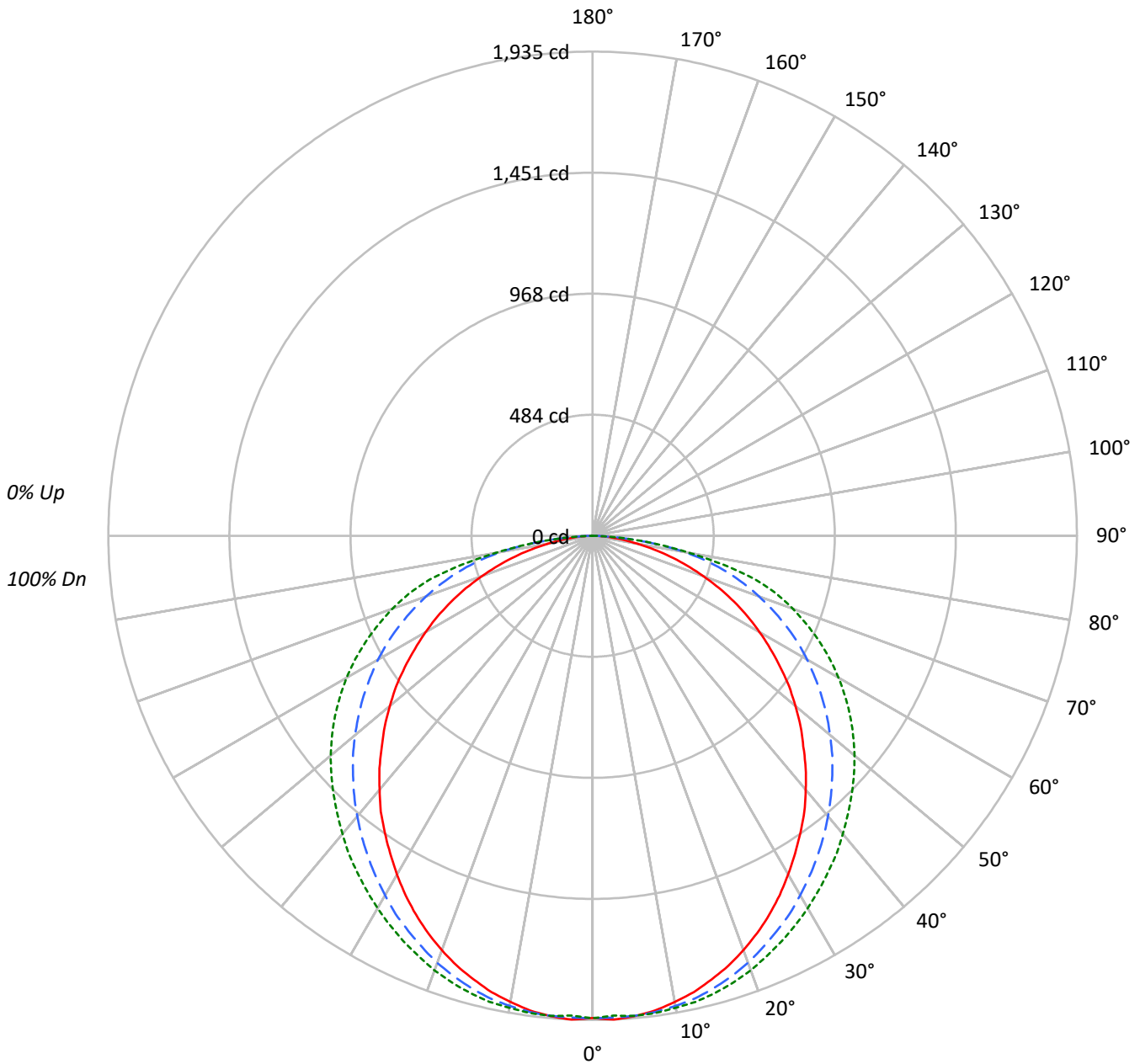
Lumens per Lamp: N/A
Luminaire Lumens: 6030.0 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.33 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2720	2720	2720
5°	2731	2728	2728
10°	2711	2734	2745
15°	2682	2735	2764
20°	2647	2728	2775
25°	2602	2713	2785
30°	2547	2703	2801
35°	2494	2697	2827
40°	2440	2696	2865
45°	2376	2702	2921
50°	2322	2719	2999
55°	2254	2749	3091
60°	2175	2793	3204
65°	2081	2846	3339
70°	1931	2917	3509
75°	1748	3018	3670
80°	1472	3027	3155
85°	1127	2288	2288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	3.0
10°-20°	526.4	8.7
20°-30°	799.6	13.3
30°-40°	972.6	16.1
40°-50°	1035.5	17.2
50°-60°	986.2	16.4
60°-70°	824.7	13.7
70°-80°	549.9	9.1
80°-90°	152.1	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°	1509.0	25.0
0°-40°	2481.5	41.2
0°-60°	4503.2	74.7
0°-90°	6030.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6030.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1927	1927	1927	1927	1927	
5°	1927	1916	1926	1926	1926	183
15°	1836	1840	1872	1886	1892	518
25°	1671	1692	1742	1772	1788	769
35°	1448	1490	1565	1617	1641	906
45°	1191	1255	1354	1430	1464	920
55°	916	996	1117	1215	1256	819
65°	623	715	852	958	1000	616
75°	321	422	554	647	673	340
85°	70	129	141	140	141	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1927.4	1927.4	1927.4	1927.4	1927.4
2.5°	1935.4	1921.4	1927.4	1927.4	1919.6
5°	1927.4	1915.5	1925.6	1925.6	1925.6
7.5°	1913.7	1903.6	1919.6	1923.5	1923.5
10°	1891.7	1887.8	1907.7	1913.7	1915.5
12.5°	1867.9	1865.8	1893.7	1901.5	1907.7
15°	1835.8	1839.9	1871.7	1885.7	1891.7
17.5°	1802.1	1809.9	1845.9	1865.8	1871.7
20°	1762.3	1774.2	1816.1	1835.8	1847.9
22.5°	1718.5	1736.4	1780.1	1803.9	1817.9
25°	1670.7	1692.4	1742.3	1772.1	1788.2
27.5°	1618.9	1646.9	1704.6	1738.2	1754.3
30°	1563.0	1594.8	1658.8	1698.6	1718.5
32.5°	1505.3	1543.1	1613.0	1656.7	1680.5
35°	1447.6	1489.5	1565.1	1616.8	1640.6
37.5°	1389.9	1431.6	1515.4	1571.0	1601.1
40°	1324.2	1373.9	1463.6	1525.2	1555.3
42.5°	1260.5	1314.1	1409.8	1477.4	1509.4
45°	1190.6	1254.6	1353.9	1429.7	1463.6
47.5°	1127.0	1190.6	1298.3	1378.0	1415.8
50°	1057.4	1124.9	1238.5	1326.2	1366.1
52.5°	989.6	1059.4	1178.7	1272.4	1312.3
55°	916.1	995.5	1117.1	1214.7	1256.4
57.5°	842.3	928.0	1053.2	1154.9	1196.8
60°	770.6	858.1	989.6	1091.3	1135.0
62.5°	699.0	786.4	923.8	1027.3	1069.3
65°	623.1	714.7	852.2	957.7	999.7
67.5°	547.6	643.1	780.5	886.1	925.9
70°	467.9	569.6	707.0	810.5	850.3
72.5°	394.4	495.8	631.2	732.9	770.6
75°	320.6	422.1	553.5	647.2	673.1
77.5°	248.9	350.4	467.9	529.7	535.7
80°	181.1	276.9	372.4	390.2	388.2
82.5°	121.4	207.0	257.0	258.8	264.7
85°	69.6	129.4	141.3	139.5	141.3
87.5°	27.9	45.8	39.9	29.8	29.8
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)