

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: P732177

Luminaire Tested: **24CZ2-35HE-S-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732177
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: 24CZ2-35HE-S-B2750-W2D-3000K
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

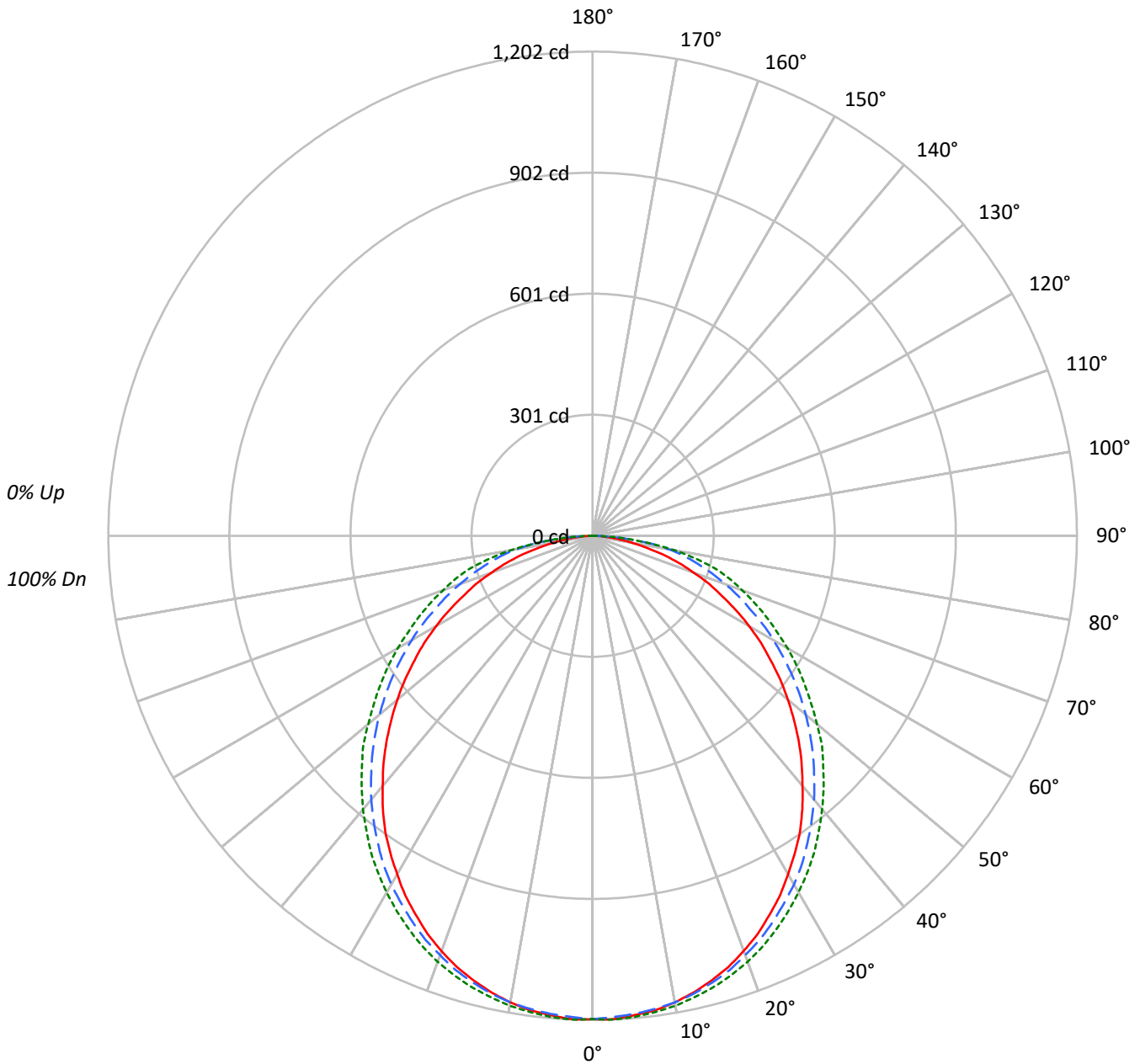
Lumens per Lamp: N/A
Luminaire Lumens: 3416.0 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 26
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	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°	1694	1694	1694
5°	1692	1688	1699
10°	1686	1686	1698
15°	1669	1677	1695
20°	1648	1664	1690
25°	1617	1647	1679
30°	1581	1629	1666
35°	1546	1602	1653
40°	1493	1575	1633
45°	1444	1544	1616
50°	1389	1515	1596
55°	1327	1487	1581
60°	1265	1464	1577
65°	1185	1439	1587
70°	1097	1446	1630
75°	982	1473	1722
80°	794	1560	1684
85°	598	1370	1336



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	3.3
10°-20°	324.6	9.5
20°-30°	488.0	14.3
30°-40°	581.3	17.0
40°-50°	594.9	17.4
50°-60°	535.6	15.7
60°-70°	420.6	12.3
70°-80°	273.0	8.0
80°-90°	84.4	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°	926.2	27.1
0°-40°	1507.5	44.1
0°-60°	2638.0	77.2
0°-90°	3416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1200	1200	1200	1200	1200	
5°	1195	1197	1191	1198	1199	114
15°	1143	1146	1148	1158	1160	322
25°	1038	1047	1058	1075	1078	478
35°	897	908	930	953	959	560
45°	724	741	774	803	810	558
55°	539	563	604	636	642	483
65°	355	382	431	467	475	353
75°	180	215	270	307	316	191
85°	37	68	85	82	82	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1200.1	1200.1	1200.1	1200.1	1200.1
2.5°	1201.2	1201.2	1195.7	1201.2	1202.2
5°	1194.6	1196.9	1191.4	1197.9	1198.9
7.5°	1188.1	1188.1	1184.8	1191.4	1192.5
10°	1176.2	1177.2	1176.2	1183.8	1184.8
12.5°	1161.0	1163.1	1164.3	1171.9	1172.9
15°	1142.6	1145.9	1148.0	1157.8	1160.0
17.5°	1121.9	1125.2	1130.6	1141.4	1143.6
20°	1097.0	1101.3	1107.8	1121.9	1125.2
22.5°	1069.9	1074.2	1085.1	1098.0	1103.5
25°	1038.4	1047.0	1057.9	1075.3	1078.5
27.5°	1006.9	1014.5	1028.6	1047.0	1051.5
30°	970.0	981.9	999.3	1017.7	1022.1
32.5°	934.2	946.1	966.8	986.4	991.7
35°	897.3	908.2	929.9	952.6	959.2
37.5°	855.0	869.1	893.0	915.8	922.3
40°	810.5	827.9	855.0	878.9	886.5
42.5°	768.2	786.6	813.8	839.8	848.5
45°	723.7	741.1	773.7	803.0	809.5
47.5°	678.1	697.7	732.4	761.6	772.5
50°	632.6	653.3	690.1	720.5	727.0
52.5°	587.0	608.7	647.8	680.3	683.6
55°	539.3	563.2	604.4	635.9	642.4
57.5°	495.9	516.5	561.0	593.5	601.1
60°	448.1	470.9	518.6	549.1	558.7
62.5°	402.5	426.4	476.4	506.7	515.3
65°	354.8	382.0	430.8	466.6	475.2
67.5°	313.6	339.6	391.7	426.4	435.1
70°	265.8	295.2	350.5	386.3	394.9
72.5°	224.6	254.9	310.4	345.0	358.1
75°	180.1	214.8	270.2	307.1	315.7
77.5°	136.7	176.9	233.2	261.5	261.5
80°	97.7	140.0	192.0	205.1	207.2
82.5°	64.1	105.2	142.1	141.1	141.1
85°	36.9	68.4	84.6	82.5	82.5
87.5°	14.1	28.2	30.3	30.3	29.3
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)