

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: P842942

Luminaire Tested: **22CZ2-34HE-S-UNV-B40**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P842942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272009)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-34HE-S-UNV-B40
Description: 2X2 3400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

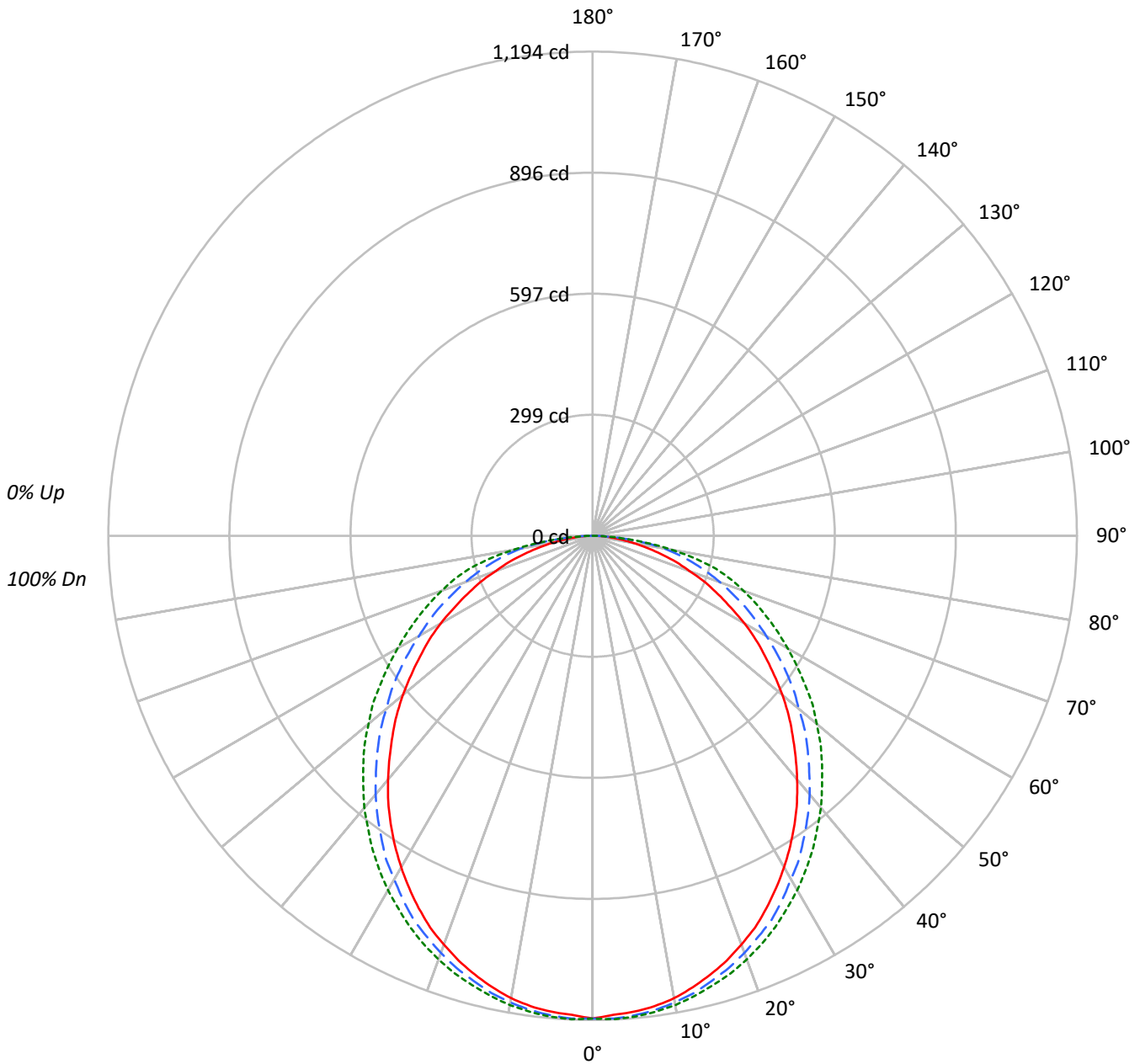
Lumens per Lamp: N/A
Luminaire Lumens: 3322.0 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 30
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					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	94	97	94	91	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69								
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58								
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49								
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43								
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37								
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33								
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30								
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27								
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3378	3378	3378
5°	3356	3382	3391
10°	3336	3367	3385
15°	3292	3337	3370
20°	3239	3304	3356
25°	3174	3271	3334
30°	3093	3204	3306
35°	3007	3146	3275
40°	2905	3083	3244
45°	2799	3010	3210
50°	2695	2929	3182
55°	2569	2876	3159
60°	2454	2806	3149
65°	2290	2789	3185
70°	2109	2764	3279
75°	1902	2803	3450
80°	1646	2887	3242
85°	1361	2419	2419



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.6	3.4
10°-20°	320.4	9.6
20°-30°	479.3	14.4
30°-40°	567.7	17.1
40°-50°	578.5	17.4
50°-60°	518.5	15.6
60°-70°	405.9	12.2
70°-80°	261.8	7.9
80°-90°	77.3	2.3
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°	912.3	27.5
0°-40°	1479.9	44.6
0°-60°	2577.0	77.6
0°-90°	3322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3322.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1190	1190	1190	1190	1190	
5°	1178	1181	1187	1189	1190	112
15°	1121	1127	1136	1145	1147	316
25°	1014	1023	1045	1059	1065	467
35°	868	879	908	936	946	542
45°	698	713	750	789	800	539
55°	519	536	581	622	639	466
65°	341	361	415	456	474	339
75°	174	200	256	299	315	186
85°	42	57	74	74	74	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1190.4	1190.4	1190.4	1190.4	1190.4
2.5°	1182.5	1185.7	1191.9	1193.6	1193.6
5°	1178.1	1181.1	1187.2	1188.9	1190.4
7.5°	1170.2	1171.7	1179.6	1182.5	1184.2
10°	1157.9	1160.9	1168.7	1173.4	1174.9
12.5°	1140.7	1145.4	1154.7	1160.9	1162.6
15°	1120.7	1126.9	1136.0	1145.4	1147.1
17.5°	1098.9	1105.2	1117.5	1128.4	1131.6
20°	1072.5	1080.4	1094.2	1106.7	1111.4
22.5°	1046.2	1052.4	1069.5	1085.0	1089.7
25°	1013.7	1023.0	1044.7	1058.7	1064.9
27.5°	979.5	990.3	1012.2	1030.7	1036.9
30°	944.0	954.9	978.0	1001.4	1009.0
32.5°	906.7	919.2	947.0	970.4	978.0
35°	868.0	878.8	908.3	936.2	945.5
37.5°	827.7	837.0	871.2	900.5	909.8
40°	784.3	796.6	832.3	866.5	875.7
42.5°	740.8	754.8	790.5	827.7	837.0
45°	697.5	713.0	750.1	789.0	799.8
47.5°	655.6	667.9	710.0	747.1	762.6
50°	610.6	623.1	663.5	705.3	720.8
52.5°	564.1	581.3	624.6	665.0	683.5
55°	519.3	536.3	581.3	621.6	638.6
57.5°	477.4	491.2	537.8	579.6	596.8
60°	432.4	444.9	494.4	539.4	554.9
62.5°	384.4	402.9	454.1	495.9	514.6
65°	341.1	361.1	415.4	455.8	474.3
67.5°	300.7	319.2	372.1	415.4	435.6
70°	254.2	279.1	333.2	376.6	395.2
72.5°	217.0	238.7	294.6	337.9	358.1
75°	173.5	199.9	255.7	299.2	314.7
77.5°	138.0	164.4	217.0	251.0	258.9
80°	100.7	127.0	176.7	193.7	198.4
82.5°	68.2	93.0	127.0	131.7	133.4
85°	41.8	57.3	74.3	74.3	74.3
87.5°	20.2	23.2	26.3	24.8	24.8
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)