

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: P732082

Luminaire Tested: **22CZ2-44HE-SQR-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387672)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-44HE-SQR-B2750-W2D-3000K
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

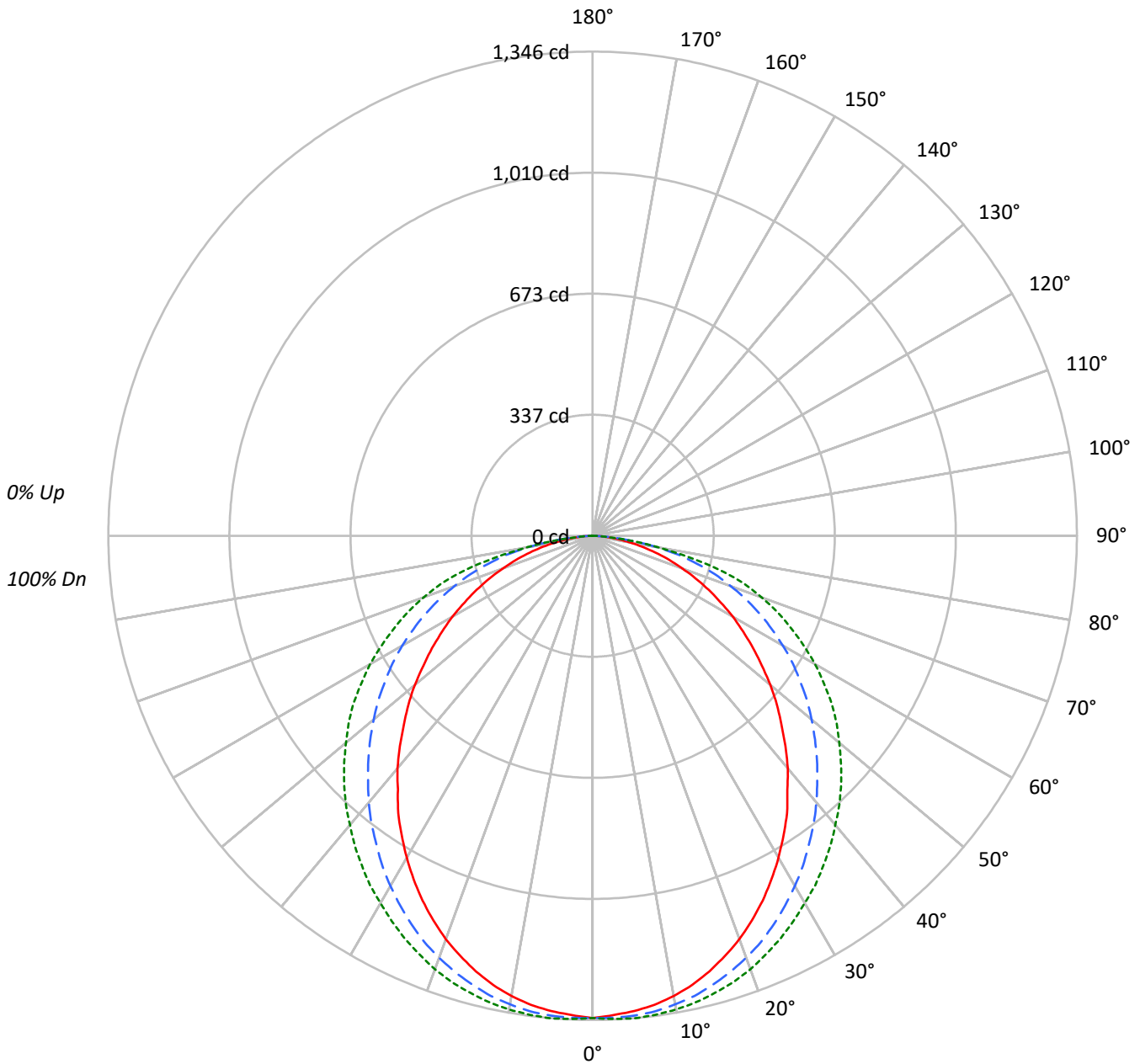
Lumens per Lamp: N/A
Luminaire Lumens: 3839.0 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.31 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 36
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									
RC	80									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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83																			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	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	68	60	54	66	59	53	64	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43																			
6	70	56	47	41	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°	3805	3805	3805
5°	3778	3815	3835
10°	3743	3811	3853
15°	3682	3795	3864
20°	3604	3769	3873
25°	3503	3730	3868
30°	3385	3684	3863
35°	3263	3629	3875
40°	3125	3584	3887
45°	2976	3539	3919
50°	2847	3507	3950
55°	2696	3479	4012
60°	2554	3465	4053
65°	2386	3438	4086
70°	2193	3386	4142
75°	1979	3297	3995
80°	1699	2917	3008
85°	1367	1726	1367



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	3.3
10°-20°	363.5	9.5
20°-30°	545.9	14.2
30°-40°	651.1	17.0
40°-50°	673.2	17.5
50°-60°	618.9	16.1
60°-70°	492.7	12.8
70°-80°	301.1	7.8
80°-90°	65.5	1.7
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°	1036.5	27.0
0°-40°	1687.6	44.0
0°-60°	2979.7	77.6
0°-90°	3839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1341	1341	1341	1341	1341	
5°	1326	1330	1339	1345	1346	126
15°	1254	1268	1292	1310	1315	353
25°	1119	1146	1192	1224	1235	515
35°	942	982	1048	1102	1119	588
45°	742	794	882	953	977	574
55°	545	605	703	783	811	487
65°	355	415	512	583	608	352
75°	180	233	301	354	364	192
85°	42	51	53	46	42	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1340.9	1340.9	1340.9	1340.9	1340.9
2.5°	1333.7	1335.6	1340.9	1344.6	1344.6
5°	1326.4	1330.0	1339.2	1344.6	1346.5
7.5°	1315.4	1321.0	1333.7	1340.9	1342.9
10°	1299.2	1306.4	1322.7	1333.7	1337.3
12.5°	1279.0	1289.9	1310.1	1324.7	1328.3
15°	1253.5	1268.1	1291.9	1310.1	1315.4
17.5°	1224.3	1242.6	1271.7	1293.6	1300.9
20°	1193.5	1211.7	1248.1	1273.7	1282.6
22.5°	1157.0	1180.6	1222.6	1251.8	1259.1
25°	1118.7	1146.1	1191.5	1224.3	1235.3
27.5°	1076.9	1109.7	1158.7	1198.8	1208.1
30°	1033.2	1067.7	1124.3	1168.0	1178.9
32.5°	987.5	1027.6	1087.8	1136.9	1151.5
35°	942.1	982.1	1047.7	1102.4	1118.7
37.5°	889.1	936.5	1009.3	1066.0	1085.9
40°	843.7	889.1	967.6	1029.5	1049.4
42.5°	792.7	841.7	923.8	991.1	1014.9
45°	741.6	794.4	881.8	953.0	976.6
47.5°	694.3	747.0	838.1	912.9	936.5
50°	645.0	699.6	794.4	870.9	894.7
52.5°	592.2	652.3	750.6	827.2	854.6
55°	544.9	604.9	703.3	783.4	810.9
57.5°	495.6	557.5	659.5	736.1	761.6
60°	450.1	510.1	610.5	685.0	714.2
62.5°	400.8	462.8	561.2	634.0	661.5
65°	355.4	415.4	512.1	583.0	608.5
67.5°	309.7	370.0	461.1	528.4	557.5
70°	264.3	324.3	408.1	473.7	499.2
72.5°	224.2	276.9	357.1	417.3	440.9
75°	180.5	233.2	300.7	353.5	364.4
77.5°	140.4	187.8	244.1	267.9	271.6
80°	104.0	140.4	178.5	184.1	184.1
82.5°	69.2	96.7	111.3	113.0	111.3
85°	42.0	51.0	53.0	45.7	42.0
87.5°	14.6	14.6	9.2	5.6	1.9
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)