

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: P732081

Luminaire Tested: **22CZ2-44HE-SQR-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732081
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-2700K
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

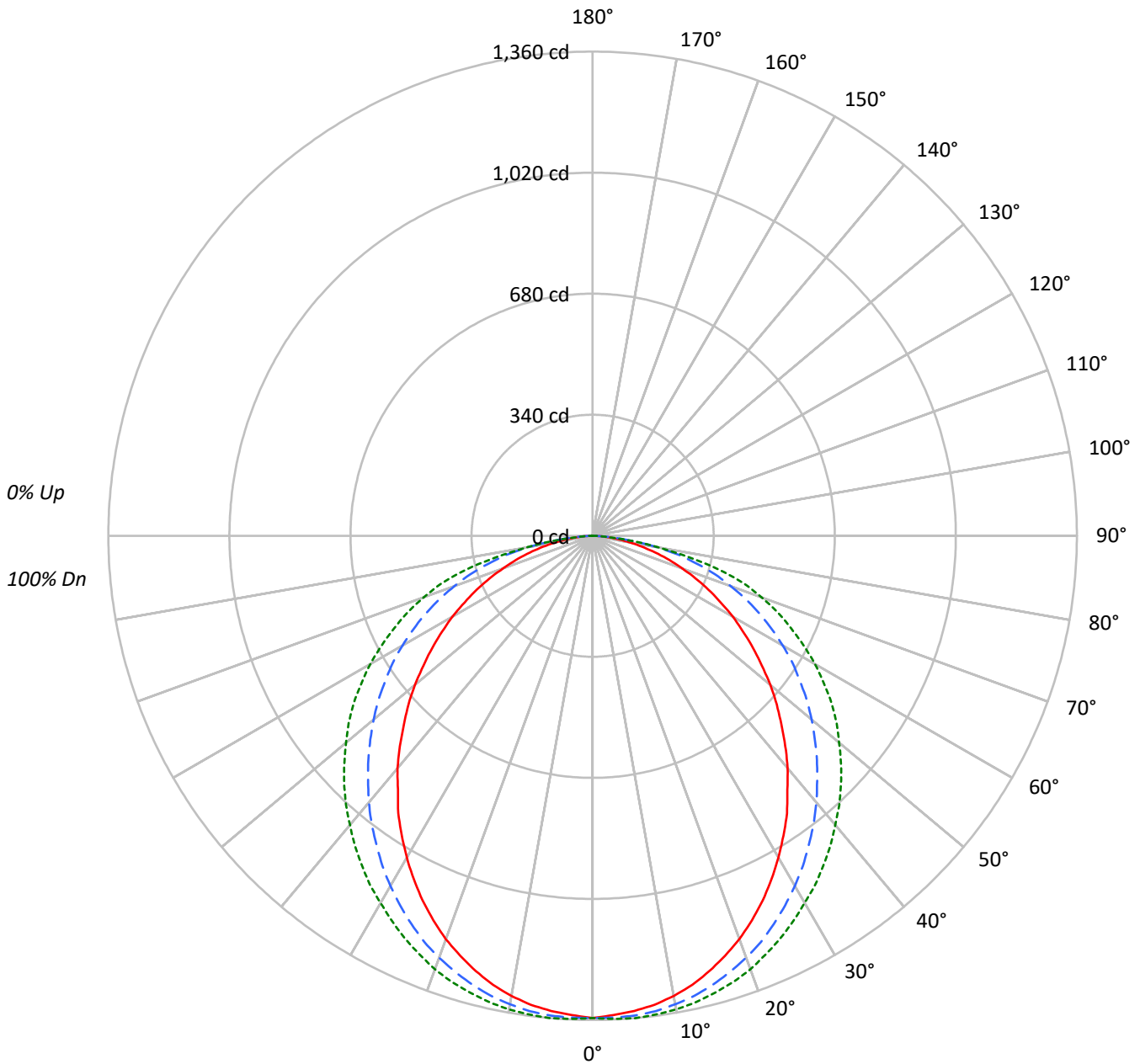
Lumens per Lamp: N/A
Luminaire Lumens: 3878.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.31 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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°	3844	3844	3844
5°	3816	3853	3874
10°	3781	3850	3892
15°	3720	3834	3904
20°	3640	3807	3913
25°	3538	3768	3907
30°	3420	3721	3902
35°	3296	3666	3914
40°	3157	3620	3927
45°	3006	3575	3959
50°	2876	3542	3990
55°	2723	3514	4052
60°	2580	3500	4095
65°	2410	3473	4127
70°	2215	3421	4184
75°	1999	3331	4036
80°	1716	2948	3039
85°	1384	1742	1384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	3.3
10°-20°	367.2	9.5
20°-30°	551.5	14.2
30°-40°	657.7	17.0
40°-50°	680.0	17.5
50°-60°	625.2	16.1
60°-70°	497.7	12.8
70°-80°	304.1	7.8
80°-90°	66.2	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°	1047.1	27.0
0°-40°	1704.8	44.0
0°-60°	3010.0	77.6
0°-90°	3878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1355	1355	1355	1355	1355	
5°	1340	1344	1353	1358	1360	127
15°	1266	1281	1305	1323	1329	357
25°	1130	1158	1204	1237	1248	520
35°	952	992	1058	1114	1130	594
45°	749	802	891	963	986	579
55°	550	611	710	791	819	492
65°	359	420	517	589	615	356
75°	182	236	304	357	368	194
85°	42	52	54	46	42	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1354.6	1354.6	1354.6	1354.6	<i>1354.6</i>
2.5°	1347.2	1349.2	1354.6	1358.2	<i>1358.2</i>
5°	<i>1339.8</i>	<i>1343.5</i>	<i>1352.8</i>	<i>1358.2</i>	<i>1360.2</i>
7.5°	1328.8	1334.4	1347.2	1354.6	<i>1356.5</i>
10°	1312.4	1319.7	1336.2	1347.2	<i>1350.9</i>
12.5°	1292.0	1303.0	1323.4	1338.1	<i>1341.8</i>
15°	1266.2	1280.9	1305.0	1323.4	<i>1328.8</i>
17.5°	1236.8	1255.2	1284.6	1306.7	<i>1314.1</i>
20°	1205.6	1224.0	1260.8	1286.6	<i>1295.7</i>
22.5°	1168.8	1192.6	1235.1	1264.5	<i>1271.9</i>
25°	1130.0	1157.8	1203.6	1236.8	<i>1247.8</i>
27.5°	1087.8	1121.0	1170.5	1211.0	<i>1220.3</i>
30°	1043.7	1078.5	1135.7	1179.8	<i>1190.9</i>
32.5°	997.5	1038.0	1098.9	1148.4	<i>1163.2</i>
35°	951.6	992.1	1058.4	1113.6	<i>1130.0</i>
37.5°	898.1	946.0	1019.6	1076.8	<i>1096.9</i>
40°	852.2	898.1	977.4	1040.0	<i>1060.1</i>
42.5°	800.7	850.3	933.2	1001.2	<i>1025.2</i>
45°	749.2	802.4	890.8	962.7	<i>986.5</i>
47.5°	701.3	754.6	846.6	922.2	<i>946.0</i>
50°	651.5	706.7	802.4	879.7	<i>903.8</i>
52.5°	598.3	658.9	758.3	835.6	<i>863.3</i>
55°	550.4	611.0	710.4	791.4	<i>819.1</i>
57.5°	500.6	563.2	666.2	743.5	<i>769.3</i>
60°	454.7	515.3	616.7	692.0	<i>721.5</i>
62.5°	404.9	467.5	566.9	640.5	<i>668.2</i>
65°	359.0	419.6	517.3	588.9	<i>614.7</i>
67.5°	312.9	373.7	465.8	533.7	<i>563.2</i>
70°	267.0	327.6	412.3	478.5	<i>504.3</i>
72.5°	226.5	279.7	360.7	421.6	<i>445.4</i>
75°	182.3	235.6	303.8	357.0	<i>368.1</i>
77.5°	141.8	189.7	246.6	270.7	<i>274.3</i>
80°	105.0	141.8	180.4	186.0	<i>186.0</i>
82.5°	69.9	97.7	112.4	114.1	<i>112.4</i>
85°	42.5	51.5	53.5	46.1	<i>42.5</i>
87.5°	14.7	14.7	9.3	5.6	<i>2.0</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)