

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: P880633

Luminaire Tested: **22CZ2-20VHE-RDP-B2750-W2D-3000K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P880633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474998)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-20VHE-RDP-B2750-W2D-3000K
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

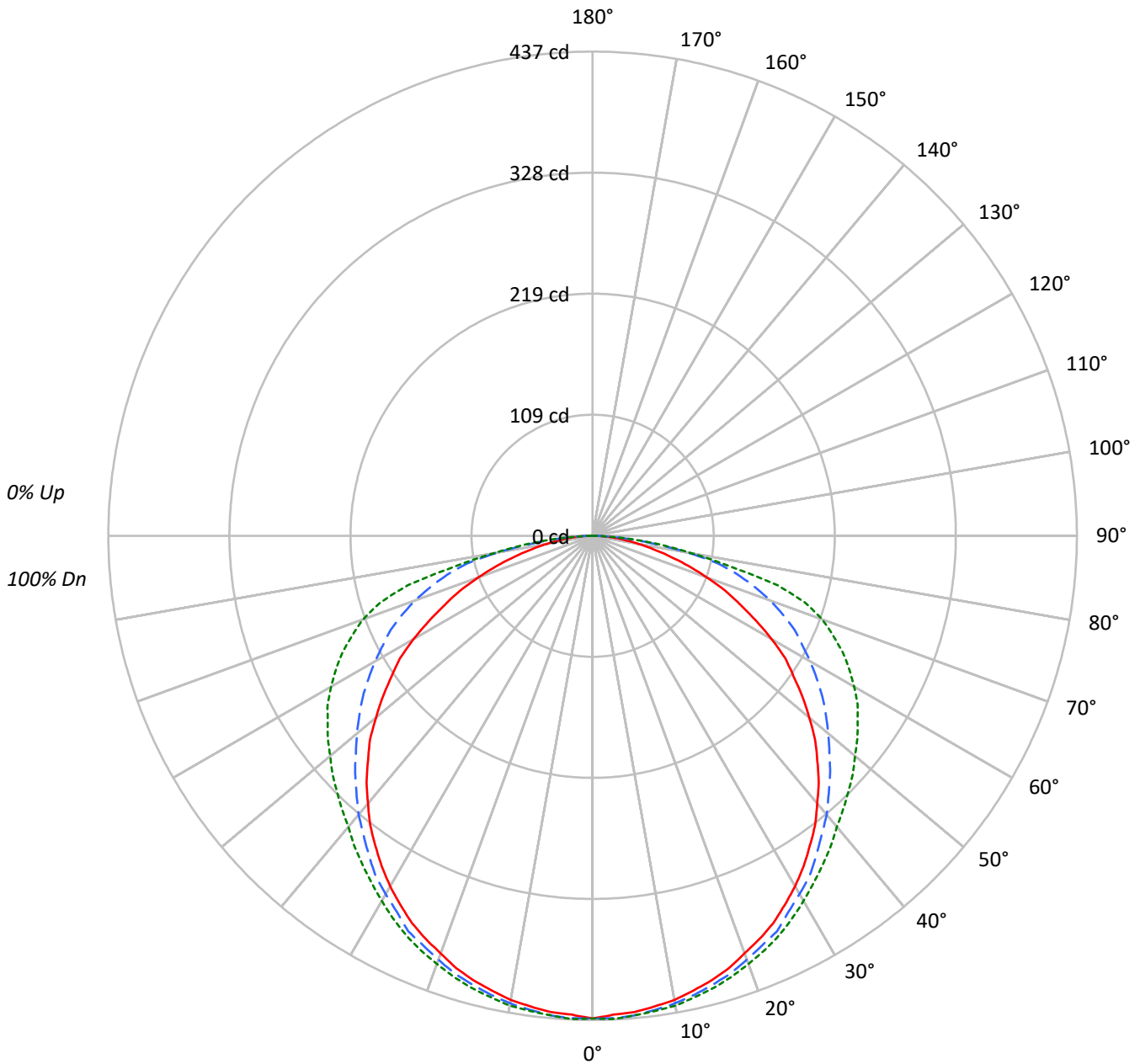
Lumens per Lamp: N/A
Luminaire Lumens: 1387.0 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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									
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	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82																			
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67																			
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55																			
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47																			
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40																			
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35																			
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31																			
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27																			
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24																			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1236	1236	1236
5°	1229	1238	1238
10°	1226	1235	1241
15°	1220	1232	1241
20°	1211	1229	1242
25°	1208	1233	1246
30°	1197	1223	1247
35°	1184	1219	1255
40°	1168	1217	1270
45°	1150	1216	1310
50°	1126	1225	1364
55°	1095	1252	1444
60°	1060	1285	1546
65°	986	1350	1672
70°	906	1414	1829
75°	795	1488	1891
80°	683	1417	1485
85°	599	1029	1130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	3.0
10°-20°	118.3	8.5
20°-30°	180.5	13.0
30°-40°	220.4	15.9
40°-50°	235.7	17.0
50°-60°	227.5	16.4
60°-70°	195.8	14.1
70°-80°	132.5	9.6
80°-90°	35.0	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°	340.1	24.5
0°-40°	560.5	40.4
0°-60°	1023.7	73.8
0°-90°	1387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1387.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	436	436	436	436	436	
5°	432	433	435	435	435	41
15°	415	416	419	421	422	117
25°	386	388	394	396	398	178
35°	342	345	352	359	362	214
45°	287	292	303	318	326	221
55°	221	229	253	279	292	198
65°	147	161	201	233	249	146
75°	72	96	136	163	172	78
85°	18	26	32	33	35	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	435.7	435.7	435.7	435.7	435.7
2.5°	432.6	433.6	435.7	435.7	436.6
5°	431.6	432.6	434.6	434.6	434.6
7.5°	428.5	429.6	431.6	432.6	432.6
10°	425.4	426.5	428.5	429.6	430.6
12.5°	420.4	421.3	424.4	426.5	426.5
15°	415.3	416.2	419.3	421.3	422.4
17.5°	409.1	411.2	414.2	416.2	417.3
20°	401.0	403.0	407.1	410.2	411.2
22.5°	393.8	396.0	400.0	403.0	405.0
25°	385.7	387.7	393.8	396.0	398.0
27.5°	375.5	377.6	382.6	386.7	389.7
30°	365.3	367.3	373.4	378.6	380.6
32.5°	354.0	357.1	364.3	368.4	371.3
35°	341.7	344.8	352.0	359.1	362.2
37.5°	329.6	332.7	339.7	348.9	353.1
40°	315.3	319.3	328.5	340.8	342.8
42.5°	302.0	307.1	315.3	329.6	334.7
45°	286.7	291.8	303.1	318.4	326.4
47.5°	272.4	277.5	289.8	308.1	318.4
50°	255.1	262.2	277.5	298.9	309.1
52.5°	238.7	244.8	265.3	288.7	301.1
55°	221.4	228.6	253.1	278.6	291.8
57.5°	206.2	212.2	239.8	268.4	283.6
60°	186.7	194.9	226.5	257.1	272.4
62.5°	166.2	178.6	213.2	244.8	261.1
65°	146.9	161.2	201.1	232.6	249.0
67.5°	129.6	144.9	185.8	219.4	234.7
70°	109.2	128.6	170.4	203.1	220.4
72.5°	90.9	112.2	153.1	185.8	201.1
75°	72.5	96.0	135.7	163.3	172.5
77.5°	56.1	78.6	116.2	124.5	125.5
80°	41.8	62.2	86.7	87.7	90.9
82.5°	28.6	43.9	56.1	61.2	62.2
85°	18.4	25.6	31.6	32.7	34.7
87.5°	8.2	9.2	11.2	10.3	10.3
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)