

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: P880632

Luminaire Tested: **22CZ2-20VHE-RDP-B2750-W2D-2700K**

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: P880632
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-2700K
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

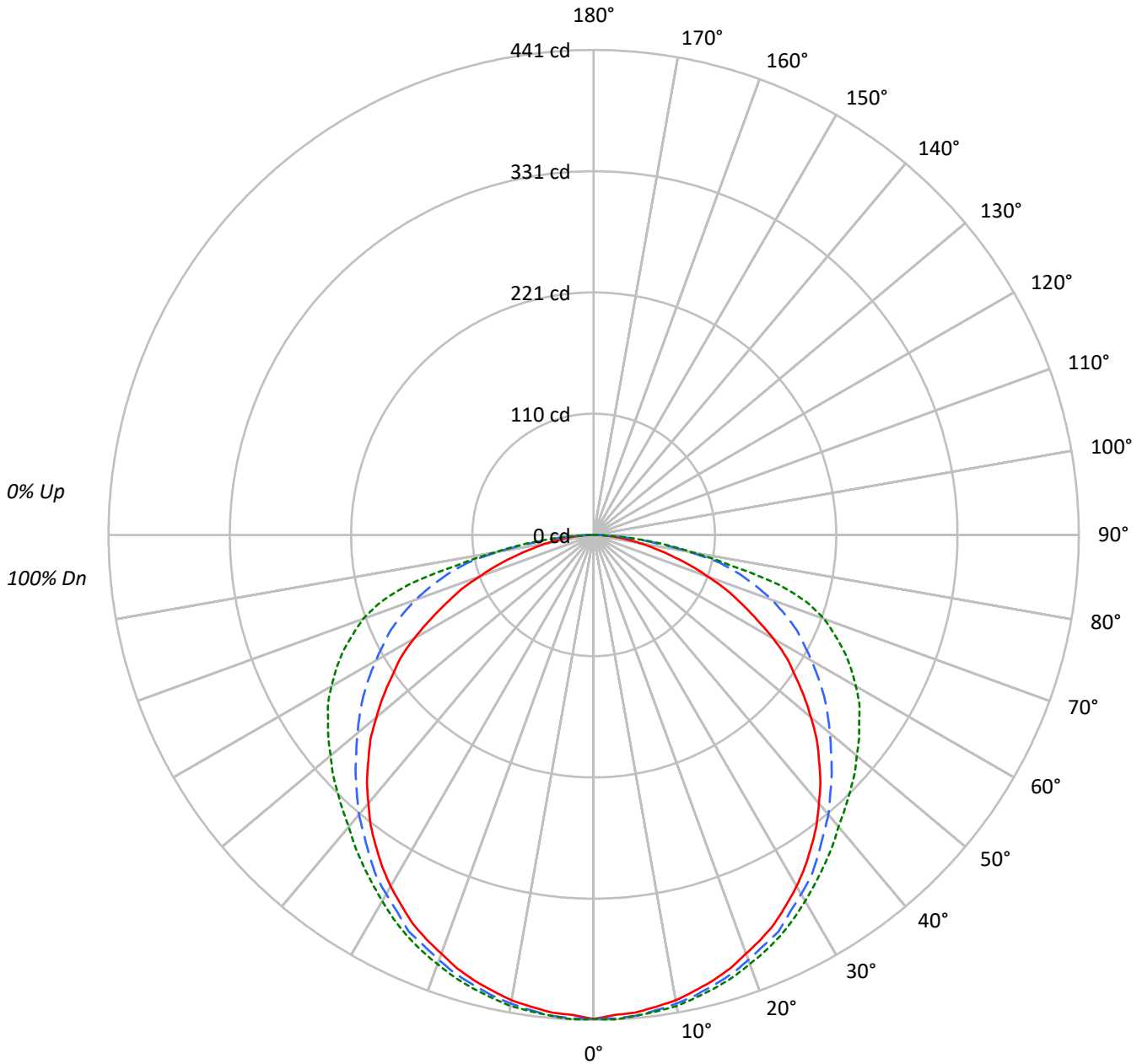
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1401.0 lumens
Efficiency: N/A
Efficacy: 87.6 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°	1249	1249	1249
5°	1242	1250	1250
10°	1238	1247	1253
15°	1232	1244	1253
20°	1223	1242	1254
25°	1220	1245	1259
30°	1209	1236	1260
35°	1196	1231	1267
40°	1180	1229	1283
45°	1162	1228	1323
50°	1138	1237	1378
55°	1106	1264	1458
60°	1070	1298	1562
65°	996	1364	1689
70°	915	1429	1848
75°	803	1503	1910
80°	691	1430	1500
85°	606	1039	1139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	3.0
10°-20°	119.5	8.5
20°-30°	182.4	13.0
30°-40°	222.7	15.9
40°-50°	238.1	17.0
50°-60°	229.8	16.4
60°-70°	197.8	14.1
70°-80°	133.9	9.6
80°-90°	35.3	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°	343.5	24.5
0°-40°	566.2	40.4
0°-60°	1034.0	73.8
0°-90°	1401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1401.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	440	440	440	440	440	
5°	436	437	439	439	439	41
15°	420	420	424	426	427	118
25°	390	392	398	400	402	179
35°	345	348	356	363	366	216
45°	290	295	306	322	330	224
55°	224	231	256	281	295	200
65°	148	163	203	235	252	148
75°	73	97	137	165	174	79
85°	19	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°	440.1	440.1	440.1	440.1	440.1
2.5°	437.0	438.0	440.1	440.1	441.0
5°	435.9	437.0	439.0	439.0	439.0
7.5°	432.8	433.9	435.9	437.0	437.0
10°	429.7	430.8	432.8	433.9	435.0
12.5°	424.6	425.6	428.7	430.8	430.8
15°	419.5	420.4	423.5	425.6	426.6
17.5°	413.2	415.3	418.4	420.4	421.5
20°	405.1	407.1	411.2	414.4	415.3
22.5°	397.8	400.0	404.0	407.1	409.1
25°	389.6	391.6	397.8	400.0	402.0
27.5°	379.2	381.4	386.5	390.6	393.7
30°	369.0	371.0	377.2	382.4	384.5
32.5°	357.6	360.7	367.9	372.1	375.1
35°	345.2	348.3	355.5	362.7	365.9
37.5°	332.9	336.0	343.2	352.5	356.6
40°	318.5	322.6	331.9	344.2	346.3
42.5°	305.1	310.2	318.5	332.9	338.0
45°	289.6	294.7	306.1	321.6	329.7
47.5°	275.2	280.3	292.7	311.3	321.6
50°	257.7	264.8	280.3	302.0	312.2
52.5°	241.1	247.3	268.0	291.6	304.1
55°	223.6	230.9	255.6	281.4	294.7
57.5°	208.2	214.3	242.2	271.1	286.5
60°	188.6	196.8	228.7	259.7	275.2
62.5°	167.9	180.4	215.4	247.3	263.8
65°	148.4	162.8	203.1	234.9	251.5
67.5°	130.9	146.3	187.6	221.6	237.1
70°	110.3	129.9	172.2	205.2	222.7
72.5°	91.8	113.4	154.7	187.6	203.1
75°	73.2	96.9	137.1	164.9	174.2
77.5°	56.7	79.4	117.4	125.7	126.8
80°	42.3	62.9	87.5	88.6	91.8
82.5°	28.9	44.3	56.7	61.8	62.9
85°	18.6	25.8	31.9	33.0	35.0
87.5°	8.3	9.3	11.3	10.4	10.4
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)