

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: P731946

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731946  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274731)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 1/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CZ2-20HE-RDP-B2750-W2D-2700K  
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

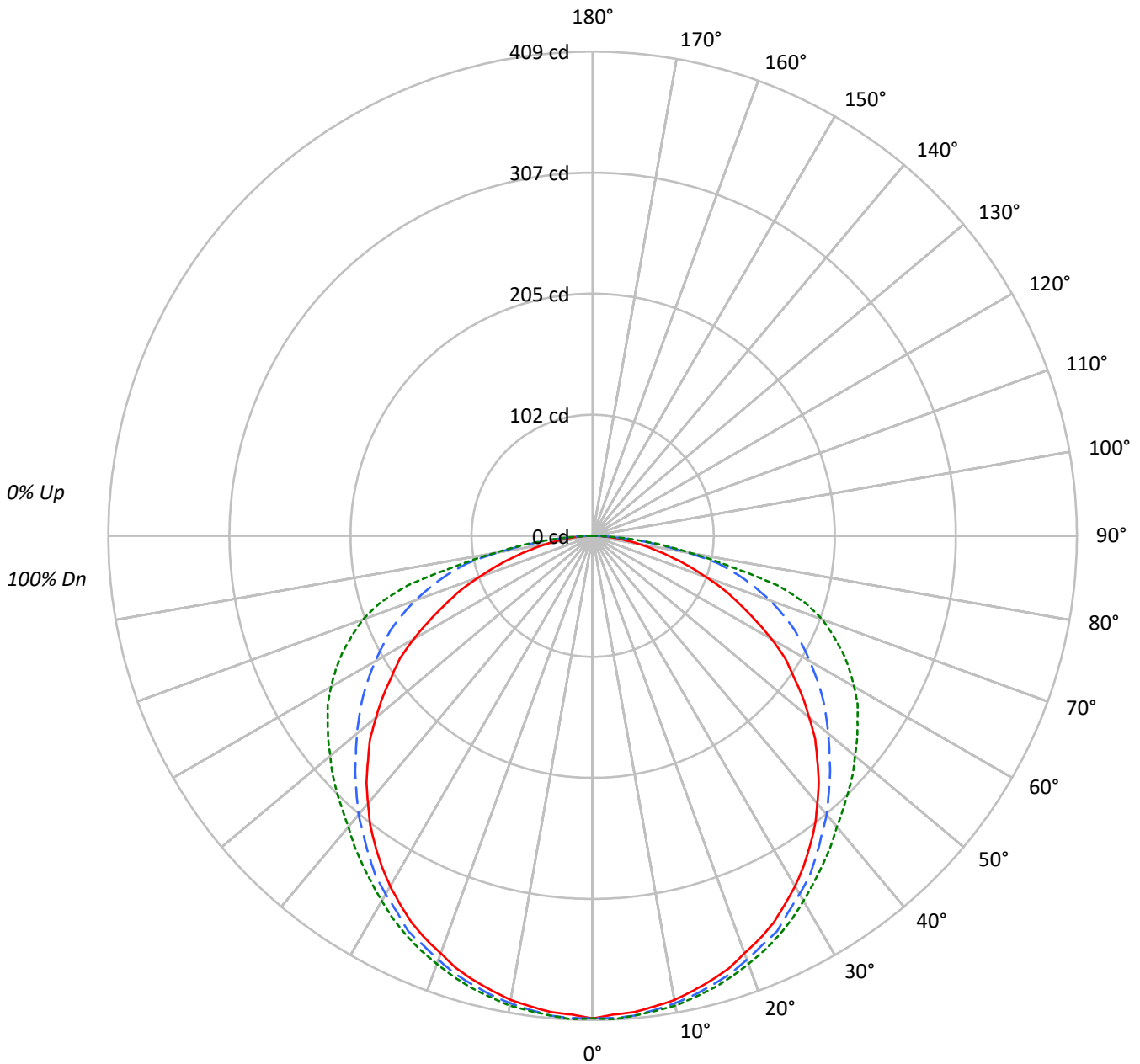
Lumens per Lamp: N/A  
Luminaire Lumens: 1298.0 lumens  
Efficiency: N/A  
Efficacy: 81.1 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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°	1157	1157	1157
5°	1150	1159	1159
10°	1147	1155	1161
15°	1142	1153	1162
20°	1133	1150	1162
25°	1130	1154	1166
30°	1120	1145	1167
35°	1108	1141	1174
40°	1093	1139	1189
45°	1077	1138	1226
50°	1054	1146	1277
55°	1025	1171	1351
60°	991	1203	1447
65°	923	1263	1564
70°	847	1323	1711
75°	744	1392	1768
80°	639	1327	1389
85°	557	964	1055



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.6	3.0
10°-20°	110.7	8.5
20°-30°	169.0	13.0
30°-40°	206.3	15.9
40°-50°	220.6	17.0
50°-60°	212.9	16.4
60°-70°	183.3	14.1
70°-80°	124.0	9.6
80°-90°	32.7	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°	318.3	24.5
0°-40°	524.6	40.4
0°-60°	958.0	73.8
0°-90°	1298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1298.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	408	408	408	408	408	
5°	404	405	407	407	407	38
15°	389	390	392	394	395	110
25°	361	363	369	370	372	166
35°	320	323	330	336	339	200
45°	268	273	284	298	306	207
55°	207	214	237	261	273	186
65°	138	151	188	218	233	137
75°	68	90	127	153	161	73
85°	17	24	30	31	32	19
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	407.7	407.7	407.7	407.7	407.7
2.5°	404.9	405.8	407.7	407.7	408.7
5°	403.9	404.9	406.8	406.8	406.8
7.5°	401.0	402.0	403.9	404.9	404.9
10°	398.1	399.2	401.0	402.0	403.0
12.5°	393.4	394.3	397.2	399.2	399.2
15°	388.6	389.6	392.5	394.3	395.4
17.5°	383.0	384.8	387.7	389.6	390.5
20°	375.2	377.2	381.0	383.9	384.8
22.5°	368.6	370.5	374.3	377.2	379.0
25°	361.0	362.8	368.6	370.5	372.4
27.5°	351.4	353.3	358.1	361.9	364.8
30°	341.9	343.7	349.5	354.2	356.2
32.5°	331.3	334.2	340.9	344.7	347.5
35°	319.9	322.7	329.5	336.1	339.0
37.5°	308.4	311.3	318.0	326.6	330.4
40°	295.1	298.9	307.5	318.9	320.9
42.5°	282.7	287.4	295.1	308.4	313.1
45°	268.3	273.1	283.6	298.0	305.6
47.5°	255.0	259.7	271.2	288.4	298.0
50°	238.7	245.4	259.7	279.8	289.3
52.5°	223.4	229.2	248.3	270.3	281.6
55°	207.2	213.9	236.8	260.7	273.1
57.5°	192.9	198.6	224.4	251.2	265.4
60°	174.7	182.4	211.9	240.6	255.0
62.5°	155.6	167.1	199.5	229.2	244.5
65°	137.5	150.9	188.1	217.7	233.0
67.5°	121.2	135.6	173.8	205.3	219.7
70°	102.1	120.3	159.5	190.0	206.2
72.5°	85.0	105.0	143.2	173.8	188.1
75°	67.9	89.7	127.0	152.8	161.3
77.5°	52.6	73.5	108.9	116.5	117.4
80°	39.1	58.2	81.2	82.1	85.0
82.5°	26.7	41.1	52.6	57.3	58.2
85°	17.1	23.9	29.6	30.6	32.4
87.5°	7.6	8.6	10.5	9.5	9.5
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)