

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: P731947

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

Issue Date: 1/5/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P731947  
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-3000K  
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -  
Ballast/Driver: -

**Summary**

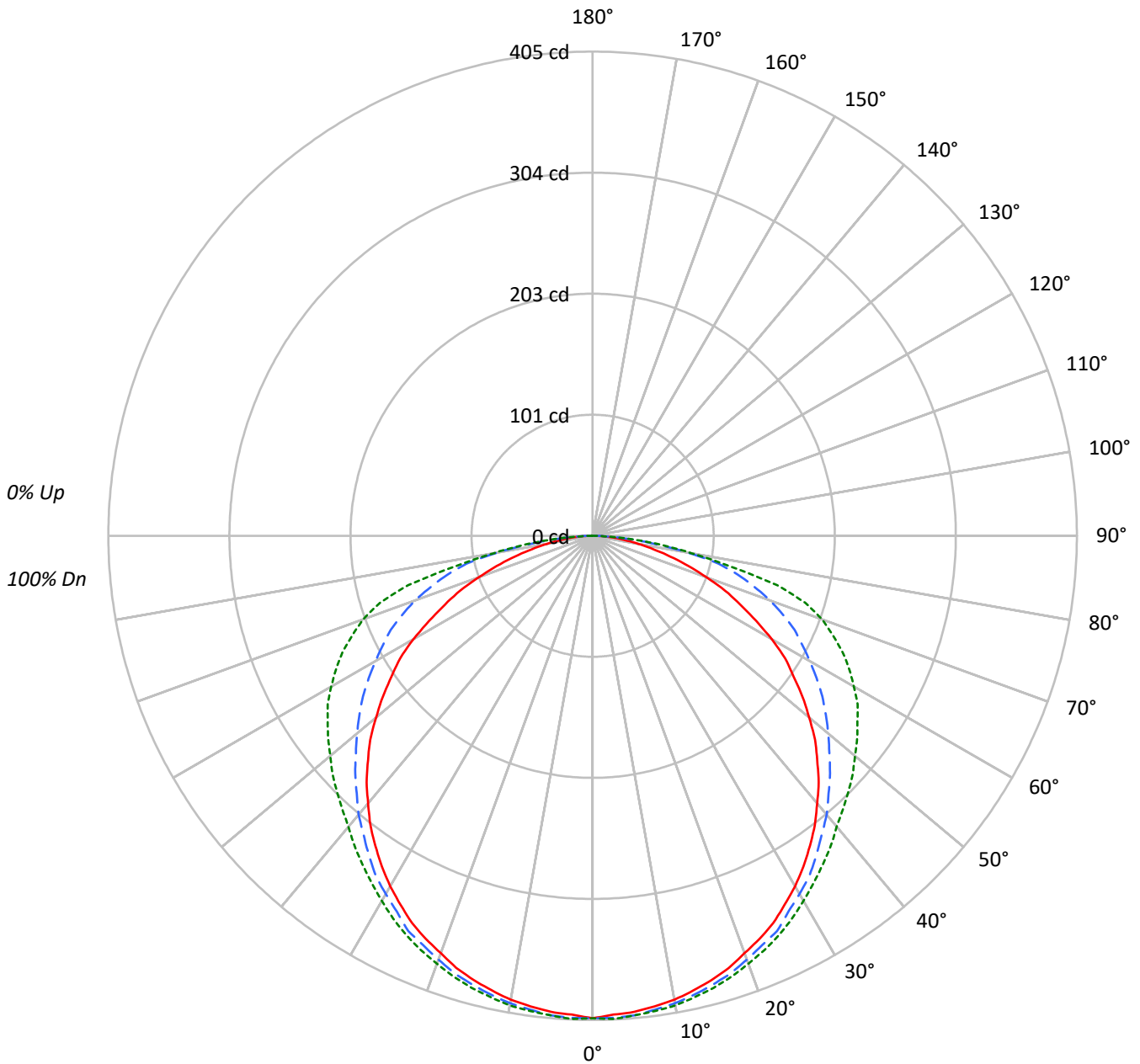
Lumens per Lamp: N/A  
Luminaire Lumens: 1285.0 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P731947

CATALOG NUMBER: 22CZ2-20HE-RDP-B2750-W2D-3000K

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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				100
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	82				82
2	97	88	81	75	95	86	80	74	83	77	72	80	75	71	76	72	69	67				67
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55				55
4	80	68	59	51	78	66	58	51	64	56	50	61	55	50	59	54	49	47				47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40				40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35				35
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	31				31
8	59	45	36	30	57	44	35	30	43	35	29	41	34	29	40	34	29	27				27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24				24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22				22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1145	1145	1145
5°	1139	1147	1147
10°	1136	1144	1149
15°	1130	1142	1150
20°	1122	1139	1150
25°	1119	1142	1154
30°	1109	1134	1155
35°	1097	1130	1163
40°	1082	1128	1176
45°	1066	1127	1214
50°	1043	1135	1264
55°	1015	1160	1338
60°	981	1191	1432
65°	914	1251	1549
70°	839	1310	1693
75°	737	1378	1751
80°	632	1314	1374
85°	553	954	1045



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.2	3.0
10°-20°	109.6	8.5
20°-30°	167.3	13.0
30°-40°	204.2	15.9
40°-50°	218.4	17.0
50°-60°	210.8	16.4
60°-70°	181.4	14.1
70°-80°	122.7	9.6
80°-90°	32.4	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°	315.1	24.5
0°-40°	519.3	40.4
0°-60°	948.4	73.8
0°-90°	1285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1285.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	404	404	404	404	404	
5°	400	401	403	403	403	38
15°	385	386	389	390	391	109
25°	357	359	365	367	369	164
35°	317	320	326	333	336	198
45°	266	270	281	295	302	205
55°	205	212	234	258	270	184
65°	136	149	186	216	231	135
75°	67	89	126	151	160	72
85°	17	24	29	30	32	19
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	403.6	403.6	403.6	403.6	403.6
2.5°	400.9	401.8	403.6	403.6	404.6
5°	399.8	400.9	402.7	402.7	402.7
7.5°	397.0	398.0	399.8	400.9	400.9
10°	394.1	395.2	397.0	398.0	398.9
12.5°	389.5	390.4	393.2	395.2	395.2
15°	384.7	385.7	388.6	390.4	391.4
17.5°	379.1	380.9	383.8	385.7	386.6
20°	371.5	373.4	377.2	380.0	380.9
22.5°	364.9	366.8	370.6	373.4	375.2
25°	357.4	359.2	364.9	366.8	368.6
27.5°	347.9	349.7	354.5	358.3	361.1
30°	338.5	340.3	346.0	350.7	352.6
32.5°	328.0	330.8	337.4	341.2	344.1
35°	316.7	319.5	326.2	332.8	335.6
37.5°	305.3	308.2	314.8	323.3	327.1
40°	292.1	295.9	304.4	315.7	317.6
42.5°	279.8	284.5	292.1	305.3	310.0
45°	265.6	270.4	280.8	295.0	302.5
47.5°	252.4	257.1	268.5	285.5	295.0
50°	236.3	243.0	257.1	277.0	286.4
52.5°	221.2	226.9	245.8	267.5	278.8
55°	205.2	211.8	234.4	258.1	270.4
57.5°	190.9	196.6	222.1	248.6	262.8
60°	172.9	180.6	209.8	238.2	252.4
62.5°	154.0	165.4	197.5	226.9	242.0
65°	136.2	149.4	186.3	215.5	230.7
67.5°	120.0	134.2	172.0	203.2	217.5
70°	101.1	119.1	157.9	188.1	204.1
72.5°	84.1	103.9	141.7	172.0	186.3
75°	67.2	88.8	125.7	151.3	159.7
77.5°	52.0	72.7	107.8	115.3	116.2
80°	38.7	57.6	80.4	81.3	84.1
82.5°	26.4	40.6	52.0	56.7	57.6
85°	17.0	23.7	29.3	30.3	32.1
87.5°	7.5	8.5	10.4	9.4	9.4
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)