

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: P732246

Luminaire Tested: **24CZ2-45-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-45-RDP-B2750-W2D-2700K
Description: 2X4 4500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

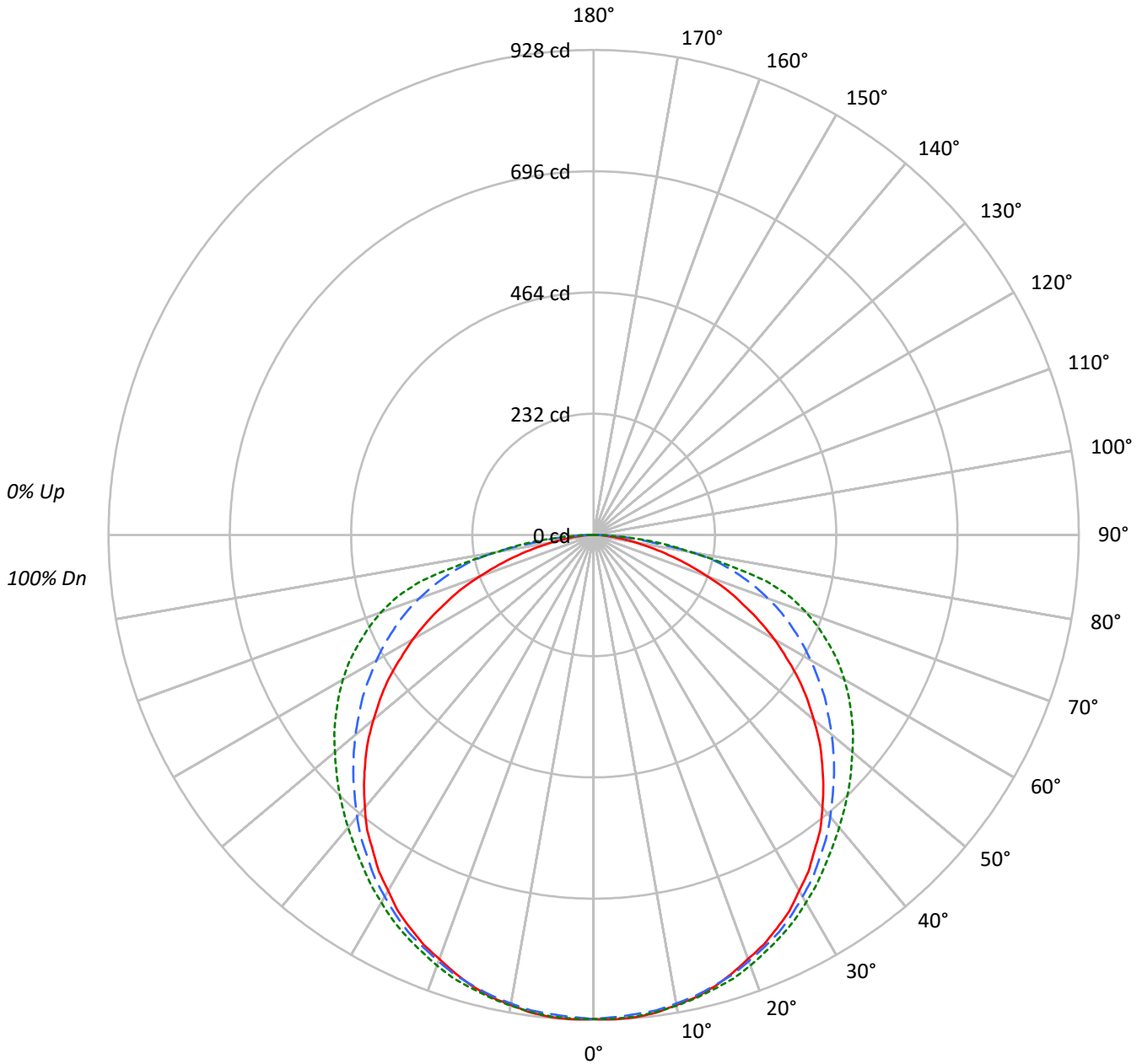
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2946.0 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' 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					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	93	89	92	89	87	88	86	84	82								
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67								
3	88	77	68	62	86	76	68	61	72	66	60	70	64	59	67	62	58	56								
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47								
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40								
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35								
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31								
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27								
9	55	41	33	27	53	40	32	27	39	32	27	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°	1307	1307	1307
5°	1312	1304	1310
10°	1309	1305	1311
15°	1307	1304	1313
20°	1297	1304	1317
25°	1293	1306	1320
30°	1281	1302	1324
35°	1269	1299	1329
40°	1255	1298	1346
45°	1234	1298	1376
50°	1206	1306	1418
55°	1176	1327	1482
60°	1126	1353	1563
65°	1054	1400	1659
70°	959	1465	1785
75°	813	1546	1865
80°	641	1555	1508
85°	473	1184	1325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	3.0
10°-20°	252.9	8.6
20°-30°	386.8	13.1
30°-40°	472.8	16.0
40°-50°	503.9	17.1
50°-60°	481.8	16.4
60°-70°	408.1	13.9
70°-80°	274.3	9.3
80°-90°	77.4	2.6
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°	727.6	24.7
0°-40°	1200.4	40.7
0°-60°	2186.1	74.2
0°-90°	2946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	926	926	926	926	926	
5°	926	925	921	925	925	88
15°	894	894	893	900	899	252
25°	830	833	839	846	848	383
35°	736	742	754	769	772	461
45°	618	628	650	678	690	477
55°	478	495	539	582	602	426
65°	316	348	419	475	497	313
75°	149	203	284	332	342	160
85°	29	60	73	79	82	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	926.4	926.4	926.4	926.4	926.4
2.5°	927.9	927.9	923.4	926.4	926.4
5°	926.4	925.0	920.6	925.0	925.0
7.5°	922.0	920.6	917.6	922.0	920.6
10°	913.2	913.2	910.4	914.8	914.8
12.5°	906.0	904.6	903.0	908.8	907.4
15°	894.4	894.4	892.8	900.2	898.6
17.5°	879.7	881.2	882.6	888.4	890.0
20°	863.5	866.5	867.9	876.8	876.8
22.5°	848.9	850.5	853.3	862.1	862.1
25°	830.1	832.9	838.7	846.1	847.5
27.5°	811.0	812.4	819.8	830.1	831.5
30°	786.2	790.6	799.2	811.0	812.4
32.5°	764.2	768.6	778.8	790.6	793.4
35°	736.5	742.3	753.9	768.6	771.6
37.5°	711.7	716.1	730.7	746.7	751.1
40°	681.0	689.6	704.3	723.3	730.7
42.5°	650.3	659.0	676.6	701.4	710.2
45°	618.1	628.3	650.3	678.0	689.6
47.5°	586.0	597.7	622.5	654.6	667.8
50°	549.4	564.0	594.7	631.3	645.9
52.5°	514.3	531.9	565.6	606.5	625.5
55°	477.8	495.3	539.2	581.6	602.1
57.5°	437.0	460.2	508.5	556.8	578.6
60°	398.9	420.8	479.3	531.9	553.8
62.5°	358.0	387.3	450.0	505.5	527.5
65°	315.6	347.8	419.3	474.8	496.9
67.5°	277.7	312.7	388.7	444.2	466.2
70°	232.4	276.1	355.0	410.5	432.6
72.5°	189.9	238.2	320.0	374.1	394.5
75°	149.1	203.2	283.5	331.8	342.0
77.5°	111.0	168.1	245.4	265.9	258.7
80°	78.9	134.4	191.3	181.1	185.5
82.5°	51.1	102.4	118.4	134.4	138.8
85°	29.2	59.9	73.1	78.9	81.8
87.5°	13.2	21.8	29.2	29.2	27.8
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)