

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: P732152

Luminaire Tested: **24CZ2-35-S-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272125)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-35-S-B2750-W2D-3000K
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

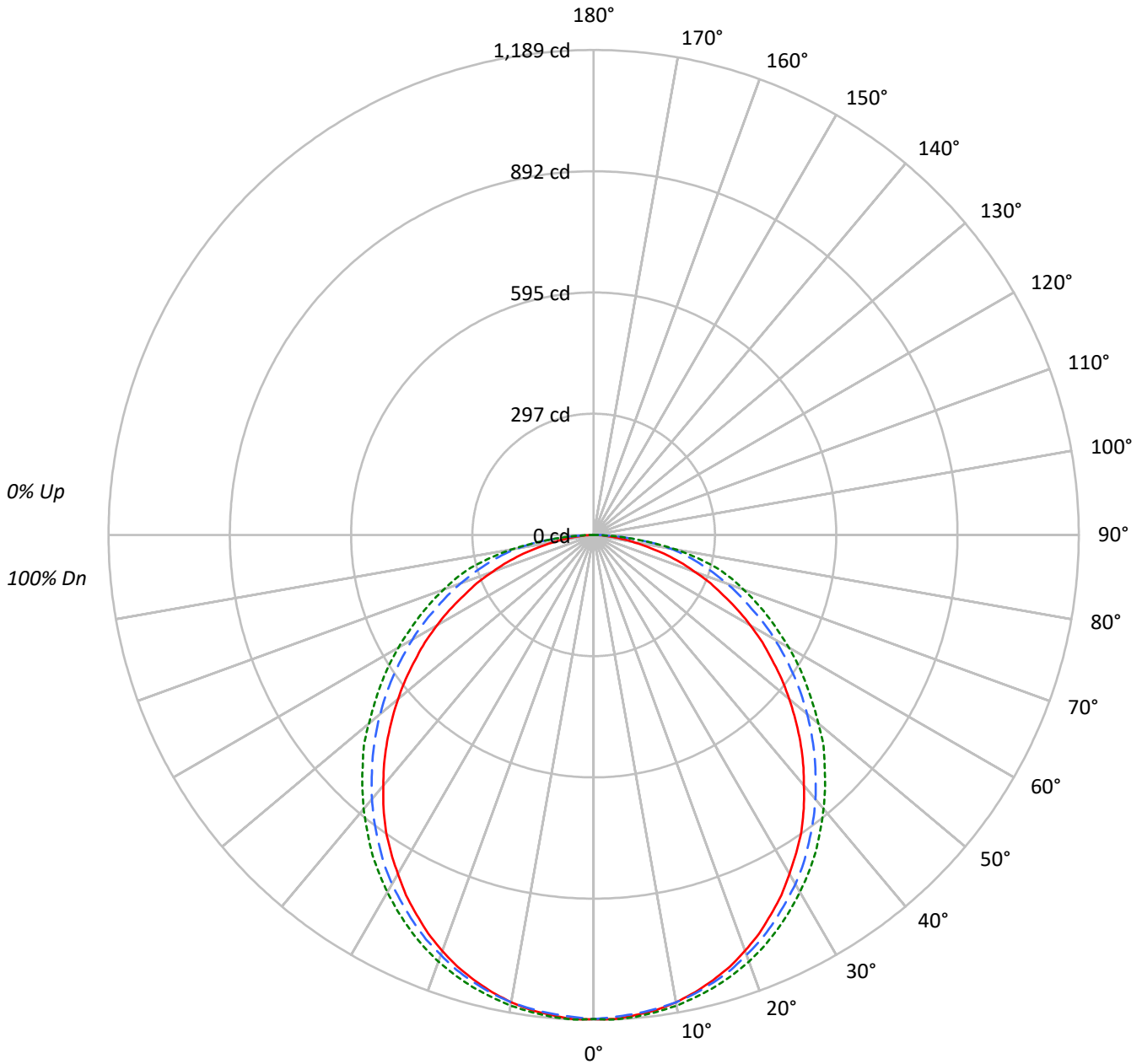
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3379.0 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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									
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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42																			
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37																			
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33																			
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26																			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1675	1675	1675
5°	1674	1670	1680
10°	1667	1667	1680
15°	1651	1659	1676
20°	1630	1646	1672
25°	1600	1629	1661
30°	1564	1611	1648
35°	1529	1585	1635
40°	1477	1558	1616
45°	1429	1527	1598
50°	1374	1499	1579
55°	1312	1471	1564
60°	1251	1448	1560
65°	1172	1423	1570
70°	1085	1431	1612
75°	972	1458	1703
80°	785	1544	1666
85°	591	1355	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.4	3.3
10°-20°	321.1	9.5
20°-30°	482.7	14.3
30°-40°	575.0	17.0
40°-50°	588.5	17.4
50°-60°	529.8	15.7
60°-70°	416.1	12.3
70°-80°	270.0	8.0
80°-90°	83.5	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°	916.2	27.1
0°-40°	1491.2	44.1
0°-60°	2609.4	77.2
0°-90°	3379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3379.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1187	1187	1187	1187	1187	
5°	1182	1184	1178	1185	1186	112
15°	1130	1134	1136	1145	1147	319
25°	1027	1036	1046	1064	1067	473
35°	888	898	920	942	949	554
45°	716	733	765	794	801	552
55°	533	557	598	629	636	478
65°	351	378	426	462	470	349
75°	178	212	267	304	312	189
85°	36	68	84	82	82	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1187.1	1187.1	1187.1	1187.1	<i>1187.1</i>
2.5°	<i>1188.2</i>	<i>1188.2</i>	<i>1182.7</i>	<i>1188.2</i>	<i>1189.2</i>
5°	1181.7	1183.9	1178.5	1184.9	<i>1186.0</i>
7.5°	1175.2	1175.2	1172.0	1178.5	<i>1179.6</i>
10°	1163.5	1164.5	1163.5	1171.0	<i>1172.0</i>
12.5°	1148.5	1150.5	1151.7	1159.2	<i>1160.2</i>
15°	1130.2	1133.5	1135.5	1145.2	<i>1147.4</i>
17.5°	1109.8	1113.0	1118.3	1129.1	<i>1131.3</i>
20°	1085.1	1089.4	1095.8	1109.8	<i>1113.0</i>
22.5°	1058.3	1062.6	1073.3	1086.1	<i>1091.6</i>
25°	1027.2	1035.7	1046.4	1063.6	<i>1066.9</i>
27.5°	996.0	1003.5	1017.5	1035.7	<i>1040.1</i>
30°	959.5	971.3	988.5	1006.7	<i>1011.0</i>
32.5°	924.1	935.9	956.3	975.7	<i>981.0</i>
35°	887.6	898.4	919.8	942.3	<i>948.8</i>
37.5°	845.7	859.7	883.4	905.9	<i>912.3</i>
40°	801.8	819.0	845.7	869.4	<i>876.9</i>
42.5°	759.9	778.1	805.0	830.7	<i>839.3</i>
45°	715.9	733.1	765.3	794.3	<i>800.7</i>
47.5°	670.8	690.2	724.4	753.4	<i>764.1</i>
50°	625.8	646.2	682.7	712.7	<i>719.1</i>
52.5°	580.6	602.1	640.8	673.0	<i>676.2</i>
55°	533.4	557.1	597.8	629.0	<i>635.5</i>
57.5°	490.5	510.9	554.9	587.1	<i>594.6</i>
60°	443.3	465.8	513.0	543.1	<i>552.7</i>
62.5°	398.2	421.8	471.2	501.2	<i>509.8</i>
65°	351.0	377.9	426.1	461.5	<i>470.1</i>
67.5°	310.2	336.0	387.4	421.8	<i>430.4</i>
70°	262.9	292.0	346.7	382.1	<i>390.7</i>
72.5°	222.2	252.2	307.0	341.3	<i>354.2</i>
75°	178.2	212.5	267.3	303.8	<i>312.3</i>
77.5°	135.3	175.0	230.7	258.6	<i>258.6</i>
80°	96.6	138.5	190.0	202.9	<i>205.0</i>
82.5°	63.4	104.1	140.6	139.5	<i>139.5</i>
85°	36.5	67.6	83.7	81.6	<i>81.6</i>
87.5°	14.0	27.9	30.0	30.0	<i>29.0</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)