

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: P732162

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732162
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: 24CZ2-35HE-B2750-W2D-3000K
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

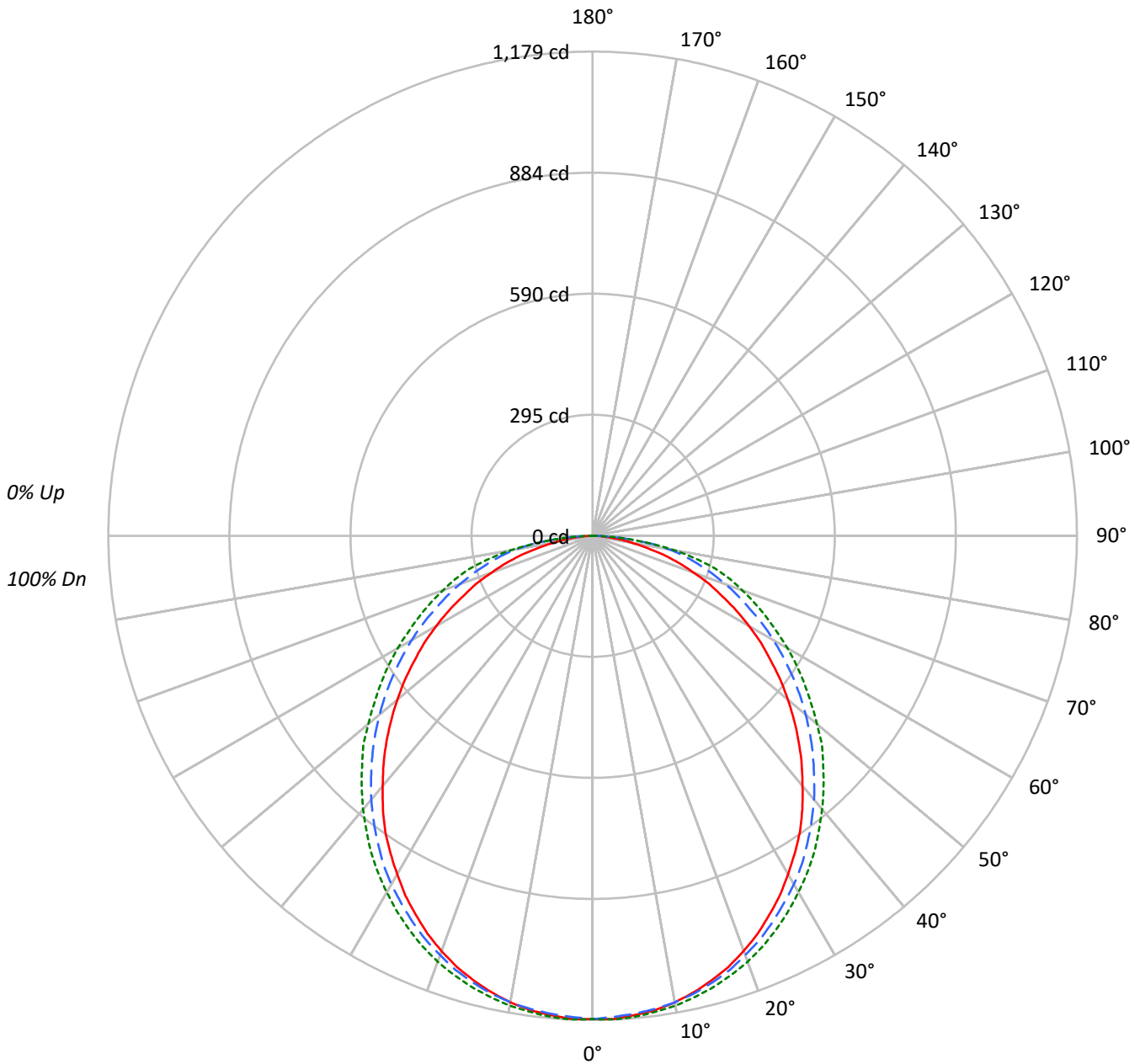
Lumens per Lamp: N/A
Luminaire Lumens: 3350.0 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 26
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°	1661	1661	1661
5°	1660	1655	1666
10°	1653	1653	1665
15°	1637	1645	1662
20°	1616	1632	1657
25°	1586	1615	1647
30°	1550	1597	1633
35°	1516	1571	1621
40°	1465	1545	1602
45°	1417	1514	1585
50°	1362	1486	1566
55°	1301	1458	1550
60°	1241	1436	1547
65°	1162	1411	1556
70°	1075	1418	1598
75°	964	1445	1688
80°	779	1530	1652
85°	586	1342	1310



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	3.3
10°-20°	318.4	9.5
20°-30°	478.6	14.3
30°-40°	570.0	17.0
40°-50°	583.4	17.4
50°-60°	525.3	15.7
60°-70°	412.5	12.3
70°-80°	267.7	8.0
80°-90°	82.8	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°	908.3	27.1
0°-40°	1478.4	44.1
0°-60°	2587.0	77.2
0°-90°	3350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3350.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1177	1177	1177	1177	1177	
5°	1172	1174	1168	1175	1176	111
15°	1120	1124	1126	1135	1138	316
25°	1018	1027	1037	1054	1058	469
35°	880	891	912	934	941	549
45°	710	727	759	787	794	547
55°	529	552	593	624	630	474
65°	348	375	422	458	466	346
75°	177	211	265	301	310	187
85°	36	67	83	81	81	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1176.9	1176.9	1176.9	1176.9	1176.9
2.5°	1178.0	1178.0	1172.6	1178.0	1179.0
5°	1171.5	1173.7	1168.3	1174.8	1175.8
7.5°	1165.1	1165.1	1161.9	1168.3	1169.5
10°	1153.5	1154.5	1153.5	1160.9	1161.9
12.5°	1138.6	1140.6	1141.8	1149.2	1150.3
15°	1120.5	1123.7	1125.8	1135.4	1137.6
17.5°	1100.3	1103.5	1108.7	1119.4	1121.5
20°	1075.8	1080.0	1086.4	1100.3	1103.5
22.5°	1049.2	1053.5	1064.1	1076.8	1082.2
25°	1018.3	1026.8	1037.4	1054.5	1057.7
27.5°	987.4	994.9	1008.7	1026.8	1031.2
30°	951.3	963.0	980.0	998.1	1002.3
32.5°	916.2	927.8	948.1	967.3	972.6
35°	880.0	890.6	911.9	934.2	940.6
37.5°	838.5	852.3	875.8	898.1	904.5
40°	794.9	811.9	838.5	861.9	869.4
42.5°	753.3	771.4	798.1	823.6	832.1
45°	709.7	726.8	758.7	787.4	793.9
47.5°	665.0	684.2	718.2	746.9	757.6
50°	620.4	640.6	676.8	706.5	713.0
52.5°	575.6	596.9	635.3	667.2	670.4
55°	528.9	552.3	592.7	623.6	630.0
57.5°	486.3	506.5	550.1	582.1	589.5
60°	439.5	461.8	508.6	538.5	548.0
62.5°	394.7	418.2	467.2	496.9	505.4
65°	348.0	374.6	422.4	457.6	466.0
67.5°	307.6	333.1	384.1	418.2	426.7
70°	260.6	289.5	343.7	378.8	387.3
72.5°	220.3	250.0	304.4	338.3	351.2
75°	176.7	210.6	265.0	301.2	309.6
77.5°	134.1	173.5	228.7	256.4	256.4
80°	95.8	137.3	188.3	201.2	203.2
82.5°	62.8	103.2	139.4	138.3	138.3
85°	36.2	67.1	82.9	80.9	80.9
87.5°	13.8	27.7	29.7	29.7	28.7
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)