

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: P732346

Luminaire Tested: **24CZ2-55HE-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732346
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: 24CZ2-55HE-RDP-B2750-W2D-2700K
Description: 2X4 5500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

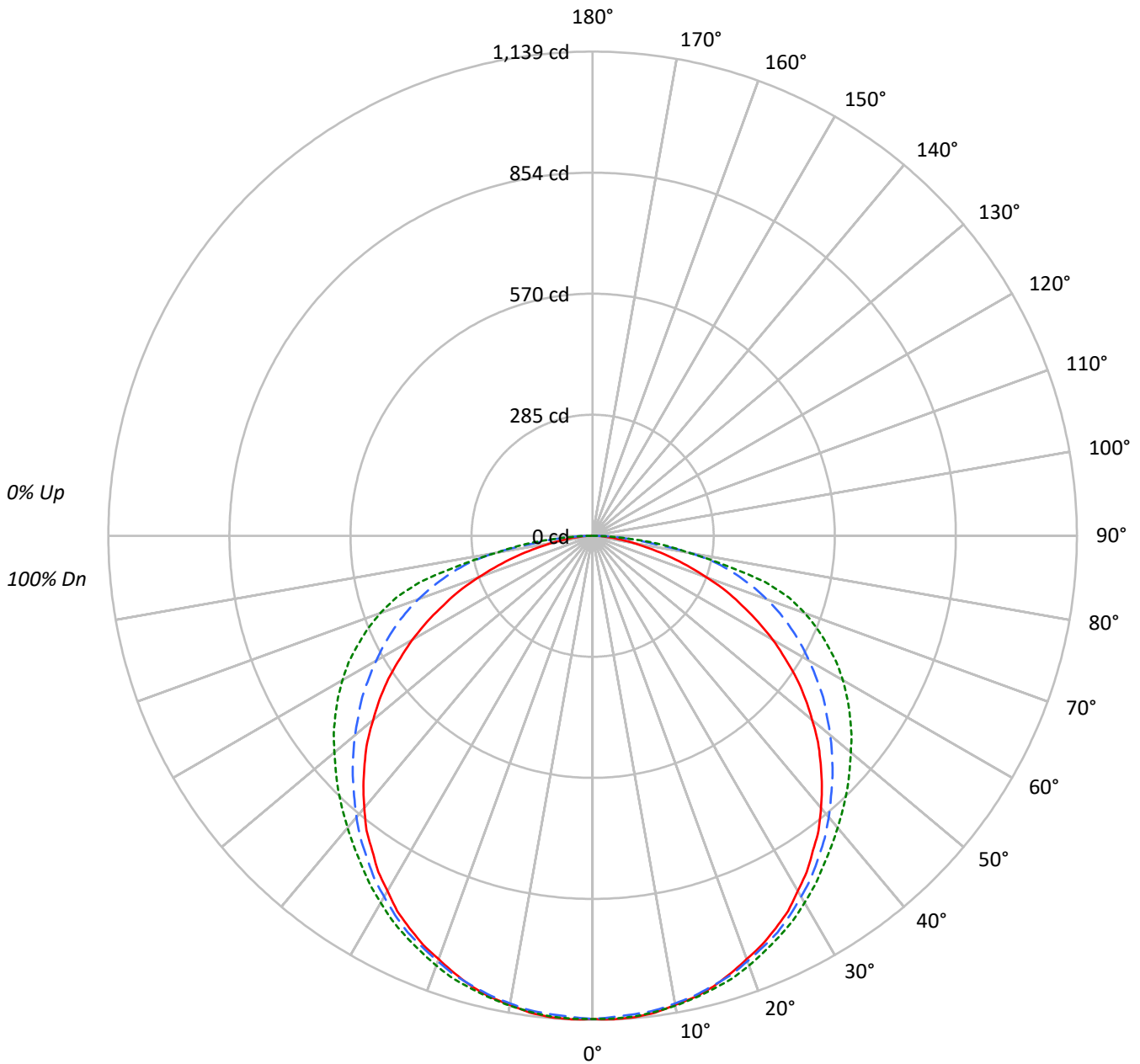
Lumens per Lamp: N/A
Luminaire Lumens: 3615.0 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42
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				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	93	89	92	89	87	88	86	84	82				82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67				67
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56				56
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47				47
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40				40
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35				35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31				31
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27				27
9	55	41	33	27	53	40	32	27	39	32	27	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°	1604	1604	1604
5°	1611	1600	1608
10°	1606	1601	1609
15°	1604	1601	1611
20°	1591	1600	1616
25°	1586	1603	1620
30°	1572	1598	1625
35°	1557	1594	1631
40°	1539	1592	1652
45°	1514	1593	1689
50°	1480	1602	1740
55°	1443	1628	1818
60°	1382	1660	1918
65°	1293	1719	2036
70°	1177	1798	2190
75°	997	1897	2289
80°	788	1908	1851
85°	581	1453	1624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	3.0
10°-20°	310.4	8.6
20°-30°	474.6	13.1
30°-40°	580.2	16.0
40°-50°	618.4	17.1
50°-60°	591.2	16.4
60°-70°	500.8	13.9
70°-80°	336.6	9.3
80°-90°	95.0	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°	892.8	24.7
0°-40°	1473.0	40.7
0°-60°	2682.6	74.2
0°-90°	3615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1137	1137	1137	1137	1137	
5°	1137	1135	1130	1135	1135	108
15°	1098	1098	1096	1105	1103	309
25°	1019	1022	1029	1038	1040	469
35°	904	911	925	943	947	566
45°	758	771	798	832	846	585
55°	586	608	662	714	739	522
65°	387	427	515	583	610	384
75°	183	249	348	407	420	196
85°	36	74	90	97	100	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1136.8	1136.8	1136.8	1136.8	1136.8
2.5°	1138.6	1138.6	1133.1	1136.8	1136.8
5°	1136.8	1135.1	1129.7	1135.1	1135.1
7.5°	1131.4	1129.7	1126.0	1131.4	1129.7
10°	1120.6	1120.6	1117.2	1122.6	1122.6
12.5°	1111.7	1110.0	1108.1	1115.2	1113.5
15°	1097.5	1097.5	1095.5	1104.6	1102.7
17.5°	1079.5	1081.3	1083.0	1090.1	1092.1
20°	1059.6	1063.3	1065.0	1075.9	1075.9
22.5°	1041.7	1043.6	1047.1	1057.9	1057.9
25°	1018.6	1022.0	1029.2	1038.2	1040.0
27.5°	995.2	996.9	1006.0	1018.6	1020.3
30°	964.7	970.1	980.7	995.2	996.9
32.5°	937.7	943.1	955.6	970.1	973.6
35°	903.8	910.9	925.2	943.1	946.8
37.5°	873.3	878.7	896.6	916.3	921.7
40°	835.6	846.2	864.2	887.5	896.6
42.5°	798.0	808.6	830.2	860.7	871.5
45°	758.5	771.0	798.0	832.0	846.2
47.5°	719.1	733.4	763.9	803.2	819.4
50°	674.1	692.1	729.7	774.7	792.6
52.5°	631.1	652.7	694.0	744.2	767.5
55°	586.4	607.8	661.6	713.7	738.8
57.5°	536.2	564.7	624.0	683.2	710.0
60°	489.5	516.3	588.1	652.7	679.5
62.5°	439.3	475.2	552.2	620.3	647.3
65°	387.2	426.8	514.6	582.7	609.7
67.5°	340.7	383.8	477.0	545.1	572.1
70°	285.2	338.8	435.7	503.8	530.8
72.5°	233.1	292.3	392.6	459.0	484.1
75°	182.9	249.3	347.9	407.1	419.7
77.5°	136.2	206.3	301.2	326.3	317.4
80°	96.9	165.0	234.8	222.3	227.7
82.5°	62.7	125.6	145.3	165.0	170.4
85°	35.9	73.5	89.7	96.9	100.3
87.5°	16.2	26.8	35.9	35.9	34.2
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)