

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: P732342

Luminaire Tested: **24CZ2-55HE-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P295011)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-55HE-HRP-B2750-W2D-3000K
Description: 2X4 5500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

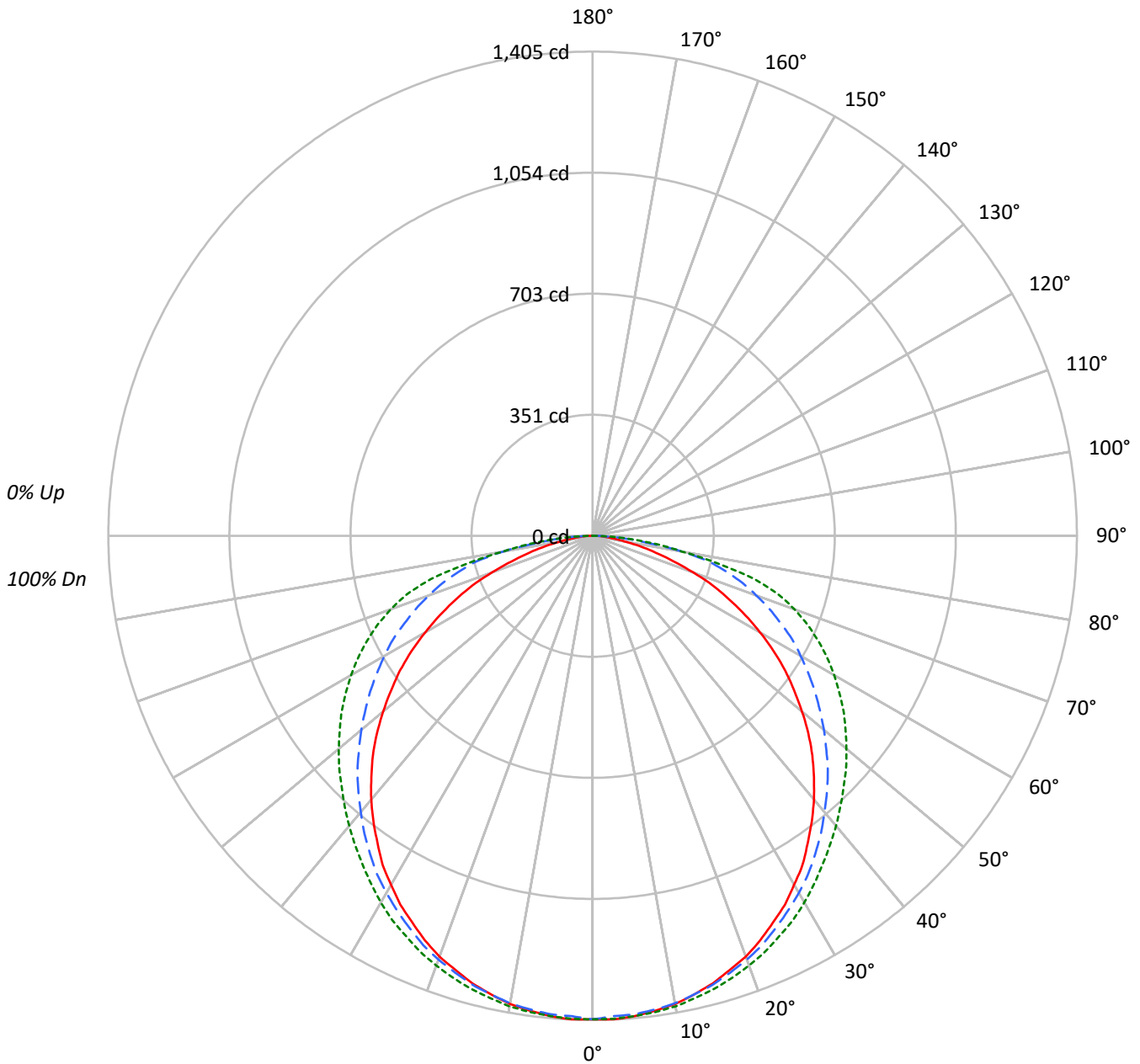
Lumens per Lamp: N/A
Luminaire Lumens: 4324.0 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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				
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	101	96	93	96	93	90	92	90	87	89	86	84	82			
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67			
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56			
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	48			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41			
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36			
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31			
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28			
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25			
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1980	1980	1980
5°	1983	1975	1983
10°	1977	1974	1987
15°	1965	1970	1989
20°	1952	1966	1993
25°	1928	1956	1996
30°	1906	1950	2003
35°	1875	1940	2005
40°	1841	1928	2024
45°	1799	1926	2056
50°	1741	1924	2111
55°	1679	1937	2187
60°	1584	1967	2284
65°	1463	2013	2412
70°	1278	2084	2570
75°	1037	2191	2655
80°	764	2149	2149
85°	588	1584	1788



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.9	3.1
10°-20°	381.6	8.8
20°-30°	581.0	13.4
30°-40°	705.5	16.3
40°-50°	745.3	17.2
50°-60°	703.3	16.3
60°-70°	584.8	13.5
70°-80°	384.7	8.9
80°-90°	104.9	2.4
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°	1095.5	25.3
0°-40°	1801.0	41.7
0°-60°	3249.6	75.2
0°-90°	4324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1403	1403	1403	1403	1403	
5°	1399	1399	1394	1399	1399	133
15°	1345	1347	1349	1361	1361	379
25°	1238	1245	1256	1278	1282	571
35°	1088	1100	1126	1155	1164	681
45°	902	920	965	1012	1030	694
55°	682	712	787	862	889	608
65°	438	489	603	692	722	433
75°	190	277	402	476	487	205
85°	36	80	98	109	110	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1403.0	1403.0	1403.0	1403.0	1403.0
2.5°	1404.8	1403.0	1395.6	1403.0	1403.0
5°	1399.4	1399.4	1393.8	1399.4	1399.4
7.5°	1390.2	1390.2	1386.6	1393.8	1393.8
10°	1379.5	1379.5	1377.5	1386.6	1386.6
12.5°	1363.1	1364.9	1363.1	1373.9	1373.9
15°	1345.0	1346.8	1348.6	1361.3	1361.3
17.5°	1321.5	1325.1	1328.7	1343.2	1345.0
20°	1299.8	1301.6	1308.7	1325.1	1326.9
22.5°	1270.7	1276.3	1285.2	1301.6	1306.9
25°	1238.2	1245.4	1256.3	1278.1	1281.6
27.5°	1207.3	1212.9	1227.2	1250.7	1258.1
30°	1169.5	1178.4	1196.6	1220.1	1229.0
32.5°	1133.2	1142.2	1163.9	1189.4	1196.6
35°	1088.0	1100.5	1126.1	1154.9	1163.9
37.5°	1044.6	1057.1	1088.0	1120.5	1131.4
40°	999.1	1013.7	1046.4	1084.4	1098.7
42.5°	950.3	970.2	1006.5	1048.1	1064.5
45°	901.5	919.6	964.9	1011.9	1030.0
47.5°	848.9	870.6	919.6	975.6	997.3
50°	792.9	820.0	876.2	937.8	961.3
52.5°	736.7	767.4	830.8	899.7	925.0
55°	682.3	711.5	787.3	861.7	888.8
57.5°	622.8	658.8	742.1	821.8	848.9
60°	561.2	601.1	696.9	780.2	809.1
62.5°	499.7	544.9	653.5	736.7	767.4
65°	438.1	488.7	602.9	691.5	722.2
67.5°	378.3	434.5	555.6	644.5	675.2
70°	309.6	380.1	505.0	591.9	622.8
72.5°	246.3	327.7	456.2	537.7	564.8
75°	190.1	276.9	401.8	476.2	486.9
77.5°	139.5	226.3	345.7	371.2	373.0
80°	94.0	181.1	264.4	260.6	264.4
82.5°	61.6	135.7	166.6	186.5	188.3
85°	36.3	79.7	97.8	108.6	110.4
87.5°	18.1	27.1	34.5	36.3	39.8
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)