

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: P732076

Luminaire Tested: **22CZ2-44HE-S-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272009)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-44HE-S-B2750-W2D-2700K
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

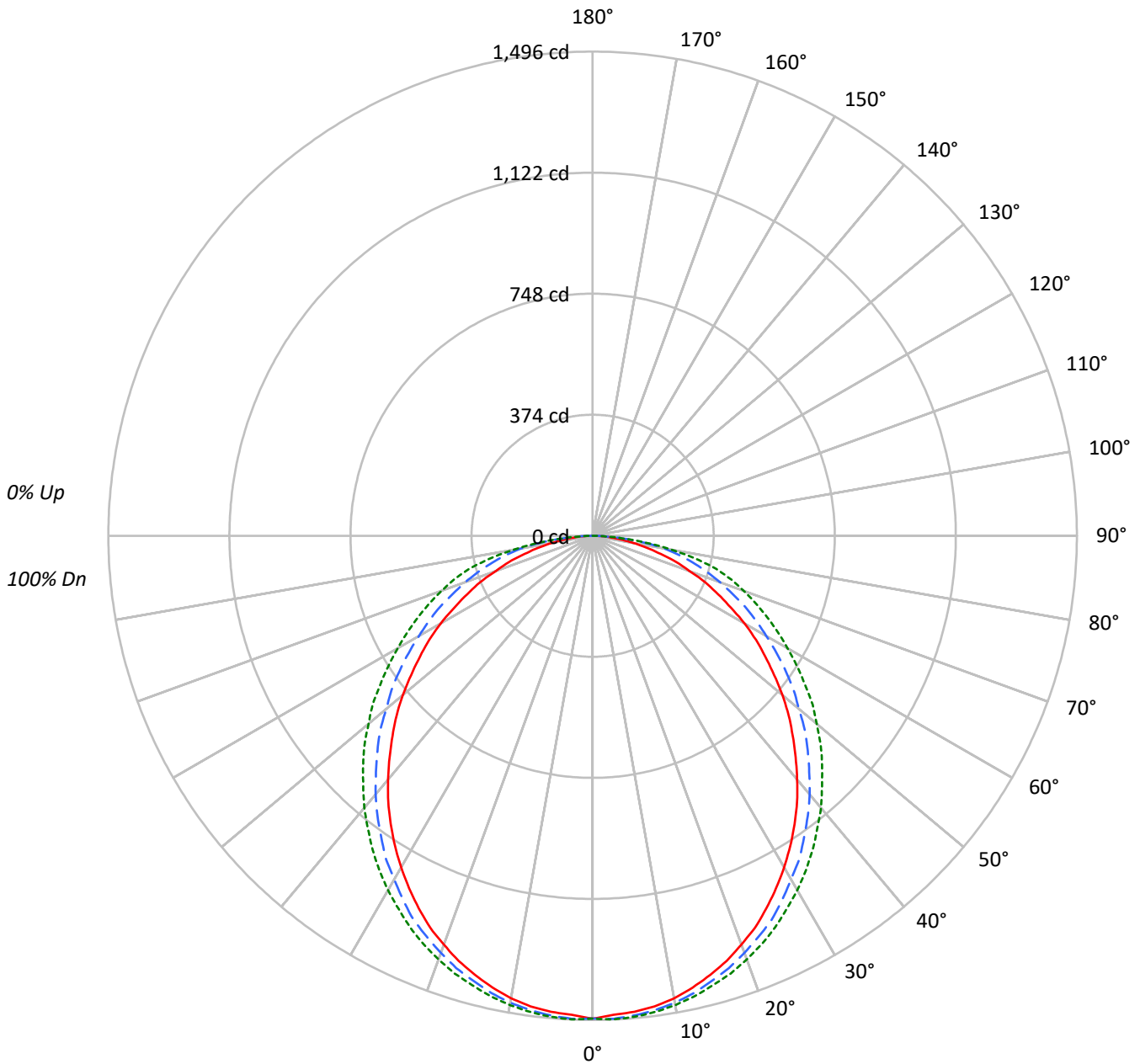
Lumens per Lamp: N/A
Luminaire Lumens: 4163.0 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

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	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83			
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27			
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4233	4233	4233
5°	4205	4238	4249
10°	4181	4220	4242
15°	4126	4182	4223
20°	4058	4141	4205
25°	3977	4099	4178
30°	3876	4016	4143
35°	3768	3943	4104
40°	3641	3863	4065
45°	3507	3772	4022
50°	3378	3670	3988
55°	3219	3603	3959
60°	3075	3516	3946
65°	2870	3495	3990
70°	2643	3465	4109
75°	2385	3513	4324
80°	2062	3618	4062
85°	1706	3034	3034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	3.4
10°-20°	401.5	9.6
20°-30°	600.7	14.4
30°-40°	711.4	17.1
40°-50°	725.0	17.4
50°-60°	649.8	15.6
60°-70°	508.7	12.2
70°-80°	328.0	7.9
80°-90°	96.9	2.3
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°	1143.2	27.5
0°-40°	1854.6	44.5
0°-60°	3229.3	77.6
0°-90°	4163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4163.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1492	1492	1492	1492	1492	
5°	1476	1480	1488	1490	1492	140
15°	1404	1412	1424	1435	1437	396
25°	1270	1282	1309	1327	1334	585
35°	1088	1101	1138	1173	1185	680
45°	874	894	940	989	1002	675
55°	651	672	728	779	800	583
65°	427	452	521	571	594	425
75°	218	250	320	375	394	233
85°	52	72	93	93	93	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1491.8	1491.8	1491.8	1491.8	1491.8
2.5°	1481.9	1485.9	1493.6	1495.7	1495.7
5°	1476.3	1480.0	1487.8	1489.9	1491.8
7.5°	1466.5	1468.3	1478.2	1481.9	1484.0
10°	1451.0	1454.8	1464.6	1470.4	1472.3
12.5°	1429.5	1435.3	1447.0	1454.8	1456.9
15°	1404.4	1412.2	1423.6	1435.3	1437.4
17.5°	1377.1	1385.0	1400.5	1414.0	1418.0
20°	1344.0	1353.9	1371.2	1386.9	1392.7
22.5°	1311.0	1318.8	1340.3	1359.7	1365.6
25°	1270.3	1282.0	1309.2	1326.7	1334.5
27.5°	1227.5	1241.1	1268.4	1291.6	1299.3
30°	1183.0	1196.6	1225.6	1254.9	1264.5
32.5°	1136.2	1151.9	1186.8	1216.0	1225.6
35°	1087.7	1101.3	1138.3	1173.2	1184.9
37.5°	1037.2	1048.9	1091.7	1128.5	1140.2
40°	982.9	998.3	1043.0	1085.9	1097.3
42.5°	928.3	945.9	990.6	1037.2	1048.9
45°	874.0	893.5	940.0	988.7	1002.3
47.5°	821.6	837.0	889.7	936.3	955.7
50°	765.2	780.9	831.4	883.9	903.3
52.5°	706.9	728.4	782.7	833.3	856.5
55°	650.7	672.0	728.4	779.0	800.3
57.5°	598.3	615.6	673.9	726.3	747.9
60°	541.9	557.6	619.6	676.0	695.4
62.5°	481.7	504.9	569.0	621.5	644.9
65°	427.4	452.5	520.6	571.1	594.3
67.5°	376.9	400.0	466.3	520.6	545.9
70°	318.6	349.7	417.6	471.9	495.3
72.5°	272.0	299.1	369.1	423.4	448.7
75°	217.5	250.5	320.4	375.0	394.4
77.5°	173.0	206.0	272.0	314.6	324.4
80°	126.2	159.2	221.4	242.7	248.6
82.5°	85.4	116.6	159.2	165.0	167.1
85°	52.4	71.9	93.2	93.2	93.2
87.5°	25.3	29.0	33.0	31.1	31.1
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)