

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: P732116

Luminaire Tested: **24CZ2-30HE-HRP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732116
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: 24CZ2-30HE-HRP-B2750-W2D-2700K
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

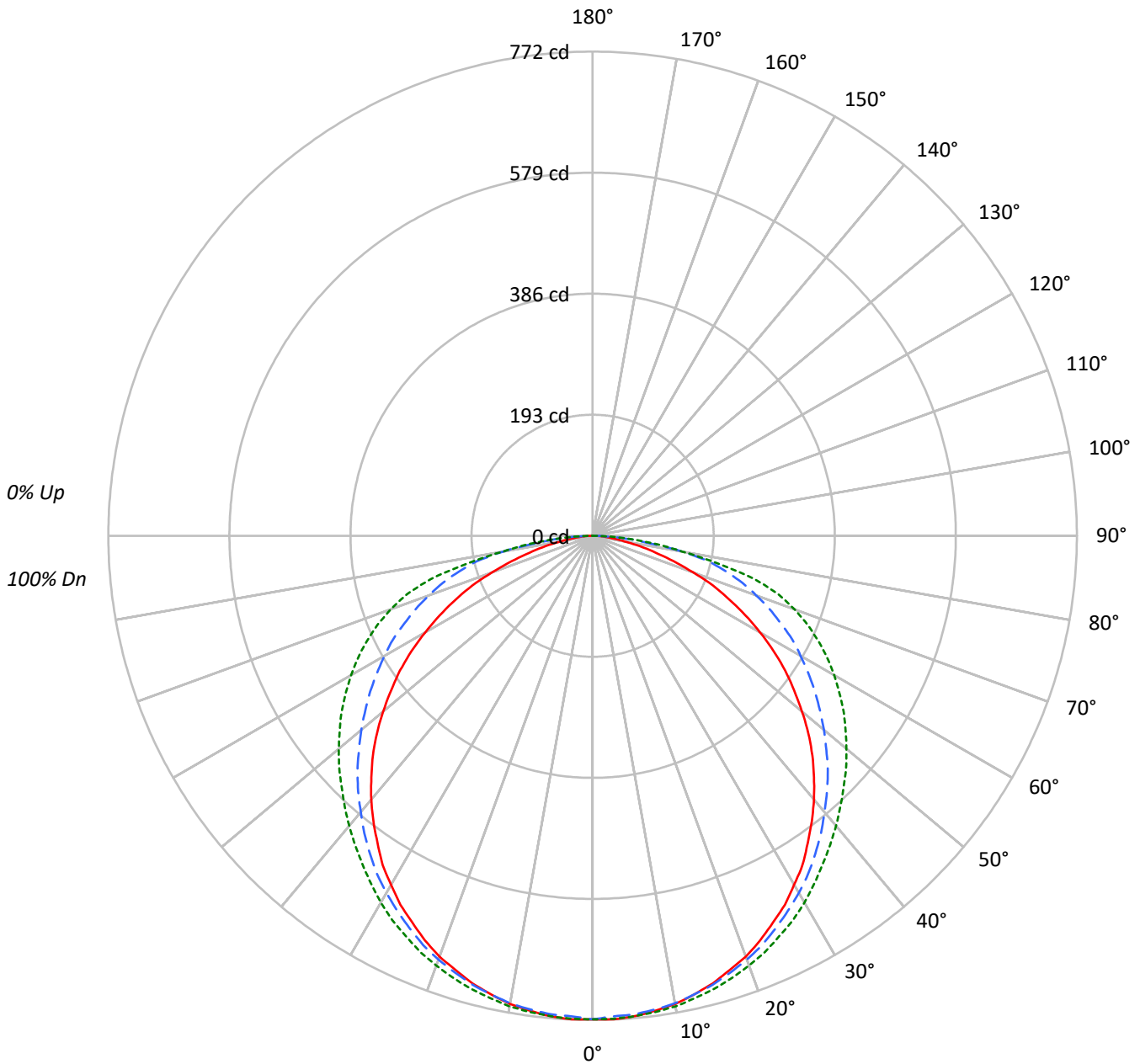
Lumens per Lamp: N/A
Luminaire Lumens: 2376.0 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): 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			100
1	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	86	84	82			82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67			67
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56			56
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	48			48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41			41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36			36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31			31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28			28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25			25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23			23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1088	1088	1088
5°	1089	1085	1089
10°	1086	1085	1092
15°	1080	1083	1093
20°	1073	1080	1095
25°	1060	1075	1097
30°	1047	1072	1101
35°	1030	1066	1102
40°	1011	1059	1112
45°	989	1058	1130
50°	957	1057	1160
55°	922	1064	1202
60°	871	1081	1255
65°	804	1106	1325
70°	702	1145	1412
75°	569	1204	1459
80°	420	1181	1181
85°	322	871	981



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	3.1
10°-20°	209.7	8.8
20°-30°	319.3	13.4
30°-40°	387.6	16.3
40°-50°	409.5	17.2
50°-60°	386.4	16.3
60°-70°	321.3	13.5
70°-80°	211.4	8.9
80°-90°	57.6	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°	602.0	25.3
0°-40°	989.6	41.7
0°-60°	1785.6	75.2
0°-90°	2376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	771	771	771	771	771	
5°	769	769	766	769	769	73
15°	739	740	741	748	748	208
25°	680	684	690	702	704	314
35°	598	605	619	635	640	374
45°	495	505	530	556	566	381
55°	375	391	433	474	488	334
65°	241	268	331	380	397	238
75°	104	152	221	262	268	113
85°	20	44	54	60	61	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	770.9	770.9	770.9	770.9	770.9
2.5°	771.9	770.9	766.9	770.9	770.9
5°	769.0	769.0	765.9	769.0	769.0
7.5°	763.9	763.9	761.9	765.9	765.9
10°	758.0	758.0	756.9	761.9	761.9
12.5°	749.0	750.0	749.0	754.9	754.9
15°	739.1	740.0	741.0	748.0	748.0
17.5°	726.1	728.1	730.1	738.1	739.1
20°	714.2	715.2	719.1	728.1	729.1
22.5°	698.2	701.3	706.2	715.2	718.2
25°	680.4	684.3	690.4	702.3	704.3
27.5°	663.4	666.5	674.4	687.3	691.3
30°	642.6	647.5	657.5	670.4	675.3
32.5°	622.7	627.6	639.5	653.6	657.5
35°	597.8	604.7	618.8	634.6	639.5
37.5°	574.0	580.9	597.8	615.7	621.7
40°	549.0	557.0	575.0	595.9	603.7
42.5°	522.2	533.1	553.1	575.9	584.9
45°	495.4	505.3	530.2	556.0	566.0
47.5°	466.5	478.4	505.3	536.1	548.0
50°	435.7	450.6	481.5	515.3	528.2
52.5°	404.8	421.7	456.5	494.4	508.3
55°	374.9	390.9	432.6	473.5	488.4
57.5°	342.2	362.0	407.8	451.6	466.5
60°	308.4	330.3	382.9	428.7	444.6
62.5°	274.6	299.4	359.1	404.8	421.7
65°	240.7	268.5	331.3	380.0	396.8
67.5°	207.9	238.8	305.3	354.2	371.0
70°	170.1	208.9	277.5	325.2	342.2
72.5°	135.3	180.1	250.7	295.5	310.4
75°	104.4	152.2	220.8	261.6	267.6
77.5°	76.6	124.4	189.9	204.0	204.9
80°	51.7	99.5	145.3	143.2	145.3
82.5°	33.8	74.5	91.5	102.5	103.5
85°	19.9	43.8	53.8	59.7	60.6
87.5°	10.0	14.9	18.9	19.9	21.9
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)