

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: P732131

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P388488)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30HE-SQR-B2750-W2D-2700K
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

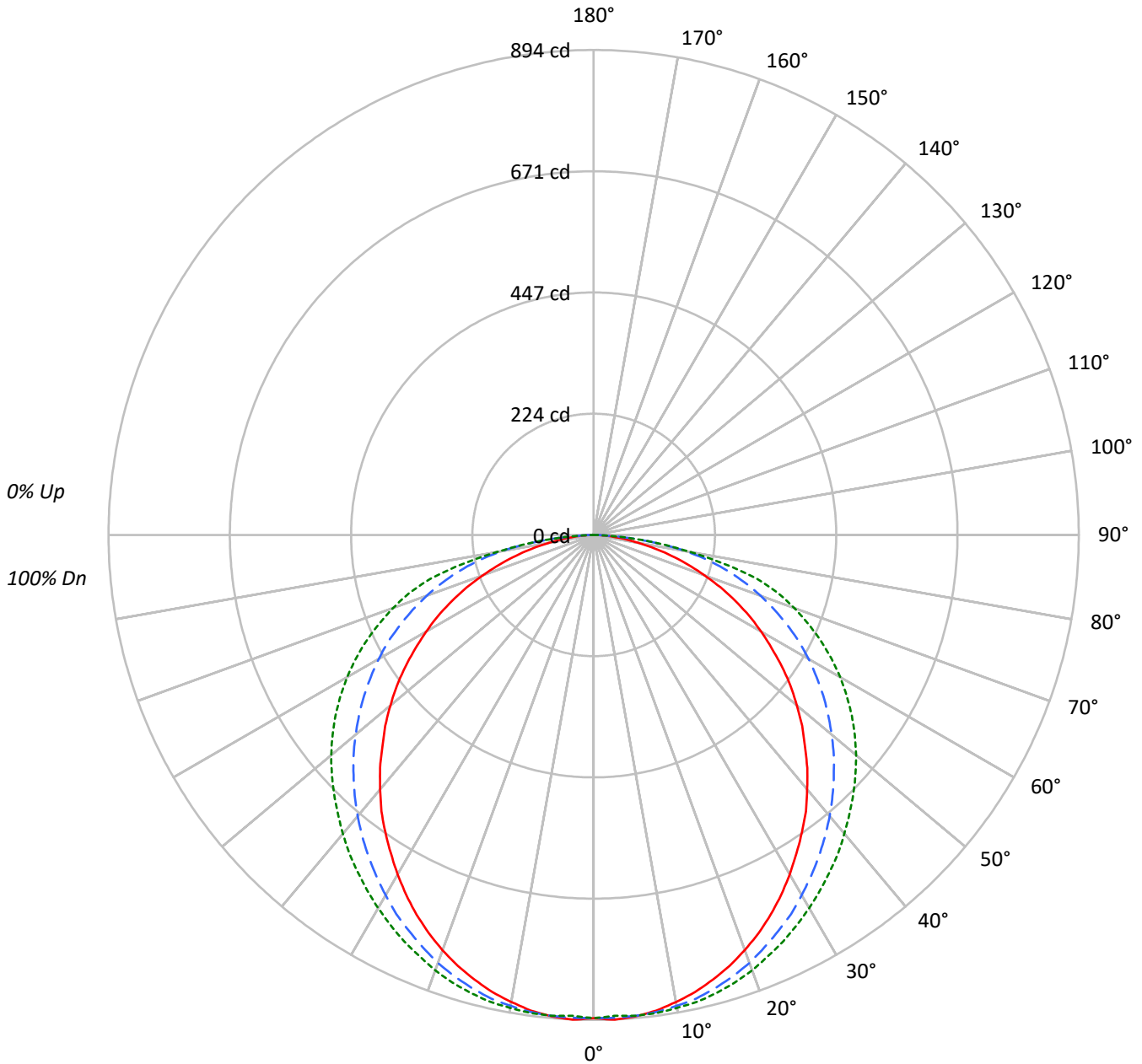
Lumens per Lamp: N/A
Luminaire Lumens: 2787.0 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.33 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1257	1257	1257
5°	1262	1261	1261
10°	1253	1264	1269
15°	1240	1264	1277
20°	1223	1261	1283
25°	1203	1254	1287
30°	1177	1249	1294
35°	1153	1246	1306
40°	1128	1246	1324
45°	1098	1249	1350
50°	1073	1257	1386
55°	1042	1270	1429
60°	1005	1291	1481
65°	962	1315	1543
70°	892	1349	1622
75°	808	1395	1696
80°	680	1399	1458
85°	521	1057	1057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	3.0
10°-20°	243.3	8.7
20°-30°	369.6	13.3
30°-40°	449.5	16.1
40°-50°	478.6	17.2
50°-60°	455.8	16.4
60°-70°	381.2	13.7
70°-80°	254.2	9.1
80°-90°	70.3	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°	697.4	25.0
0°-40°	1146.9	41.2
0°-60°	2081.4	74.7
0°-90°	2787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2787.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	891	891	891	891	891	
5°	891	885	890	890	890	85
15°	848	850	865	872	874	239
25°	772	782	805	819	826	356
35°	669	688	723	747	758	419
45°	550	580	626	661	676	425
55°	423	460	516	561	581	378
65°	288	330	394	443	462	285
75°	148	195	256	299	311	157
85°	32	60	65	64	65	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	890.8	890.8	890.8	890.8	890.8
2.5°	894.5	888.1	890.8	890.8	887.2
5°	890.8	885.3	890.0	890.0	890.0
7.5°	884.5	879.8	887.2	889.0	889.0
10°	874.3	872.5	881.7	884.5	885.3
12.5°	863.3	862.3	875.3	878.9	881.7
15°	848.5	850.4	865.1	871.6	874.3
17.5°	832.9	836.5	853.1	862.3	865.1
20°	814.5	820.0	839.4	848.5	854.1
22.5°	794.3	802.5	822.8	833.8	840.2
25°	772.2	782.2	805.3	819.0	826.5
27.5°	748.2	761.2	787.8	803.4	810.8
30°	722.4	737.1	766.7	785.1	794.3
32.5°	695.7	713.2	745.5	765.7	776.7
35°	669.1	688.4	723.4	747.3	758.3
37.5°	642.4	661.7	700.4	726.1	740.0
40°	612.0	635.0	676.5	704.9	718.8
42.5°	582.6	607.3	651.6	682.8	697.7
45°	550.3	579.8	625.8	660.8	676.5
47.5°	520.9	550.3	600.1	636.9	654.4
50°	488.7	519.9	572.4	613.0	631.4
52.5°	457.4	489.7	544.8	588.1	606.5
55°	423.4	460.1	516.3	561.4	580.7
57.5°	389.3	428.9	486.8	533.8	553.2
60°	356.2	396.6	457.4	504.4	524.6
62.5°	323.1	363.5	427.0	474.8	494.2
65°	288.0	330.3	393.9	442.7	462.0
67.5°	253.1	297.2	360.7	409.5	427.9
70°	216.2	263.2	326.8	374.6	393.0
72.5°	182.3	229.2	291.7	338.7	356.2
75°	148.2	195.1	255.8	299.1	311.1
77.5°	115.1	161.9	216.2	244.8	247.6
80°	83.7	128.0	172.1	180.4	179.4
82.5°	56.1	95.7	118.8	119.6	122.4
85°	32.2	59.8	65.3	64.5	65.3
87.5°	12.9	21.2	18.4	13.8	13.8
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)