

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: P732106

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732106
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: 24CZ2-30-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

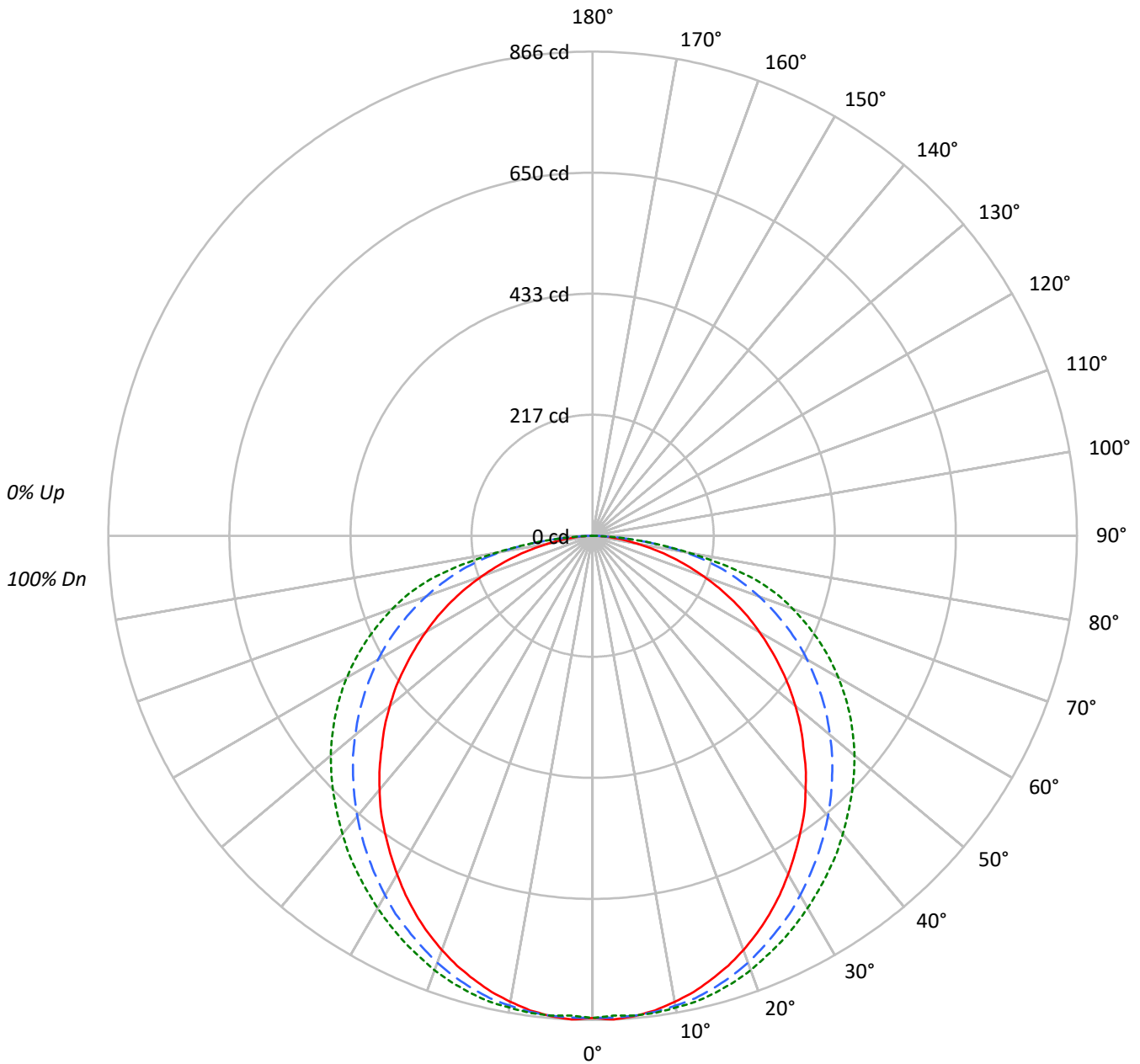
Lumens per Lamp: N/A
Luminaire Lumens: 2698.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.33 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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°	1217	1217	1217
5°	1222	1221	1221
10°	1213	1223	1228
15°	1200	1224	1237
20°	1184	1220	1242
25°	1164	1214	1246
30°	1140	1210	1253
35°	1116	1207	1265
40°	1092	1207	1282
45°	1063	1209	1307
50°	1039	1217	1342
55°	1009	1230	1383
60°	973	1250	1433
65°	931	1273	1494
70°	864	1305	1570
75°	783	1351	1642
80°	658	1354	1412
85°	504	1023	1023



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	3.0
10°-20°	235.5	8.7
20°-30°	357.8	13.3
30°-40°	435.2	16.1
40°-50°	463.3	17.2
50°-60°	441.3	16.4
60°-70°	369.0	13.7
70°-80°	246.0	9.1
80°-90°	68.1	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°	675.1	25.0
0°-40°	1110.3	41.2
0°-60°	2014.9	74.7
0°-90°	2698.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2698.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	862	862	862	862	862	
5°	862	857	862	862	862	82
15°	821	823	838	844	846	232
25°	748	757	780	793	800	344
35°	648	666	700	723	734	405
45°	533	561	606	640	655	412
55°	410	445	500	544	562	366
65°	279	320	381	428	447	275
75°	144	189	248	290	301	152
85°	31	58	63	62	63	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	862.4	862.4	862.4	862.4	862.4
2.5°	866.0	859.7	862.4	862.4	858.9
5°	862.4	857.0	861.6	861.6	861.6
7.5°	856.2	851.7	858.9	860.6	860.6
10°	846.4	844.6	853.6	856.2	857.0
12.5°	835.7	834.8	847.3	850.8	853.6
15°	821.4	823.2	837.5	843.7	846.4
17.5°	806.3	809.8	825.9	834.8	837.5
20°	788.5	793.8	812.6	821.4	826.8
22.5°	768.9	776.9	796.5	807.1	813.4
25°	747.5	757.2	779.6	792.9	800.1
27.5°	724.3	736.9	762.7	777.7	784.9
30°	699.3	713.6	742.2	760.0	768.9
32.5°	673.5	690.4	721.7	741.3	751.9
35°	647.7	666.5	700.3	723.4	734.1
37.5°	621.9	640.5	678.0	702.9	716.4
40°	592.5	614.7	654.9	682.4	695.9
42.5°	564.0	588.0	630.8	661.0	675.4
45°	532.7	561.3	605.8	639.7	654.9
47.5°	504.2	532.7	580.9	616.6	633.5
50°	473.1	503.3	554.1	593.4	611.2
52.5°	442.8	474.0	527.4	569.3	587.1
55°	409.9	445.4	499.8	543.5	562.1
57.5°	376.9	415.2	471.2	516.7	535.5
60°	344.8	383.9	442.8	488.3	507.8
62.5°	312.7	351.9	413.4	459.7	478.4
65°	278.8	319.8	381.3	428.5	447.3
67.5°	245.0	287.7	349.2	396.4	414.3
70°	209.3	254.8	316.3	362.6	380.5
72.5°	176.5	221.8	282.4	327.9	344.8
75°	143.5	188.8	247.7	289.6	301.2
77.5°	111.4	156.8	209.3	237.0	239.7
80°	81.0	123.9	166.6	174.6	173.7
82.5°	54.3	92.6	115.0	115.8	118.4
85°	31.1	57.9	63.2	62.4	63.2
87.5°	12.5	20.5	17.8	13.3	13.3
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)