

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: P732156

Luminaire Tested: **24CZ2-35-SQR-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732156
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: 24CZ2-35-SQR-B2750-W2D-2700K
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

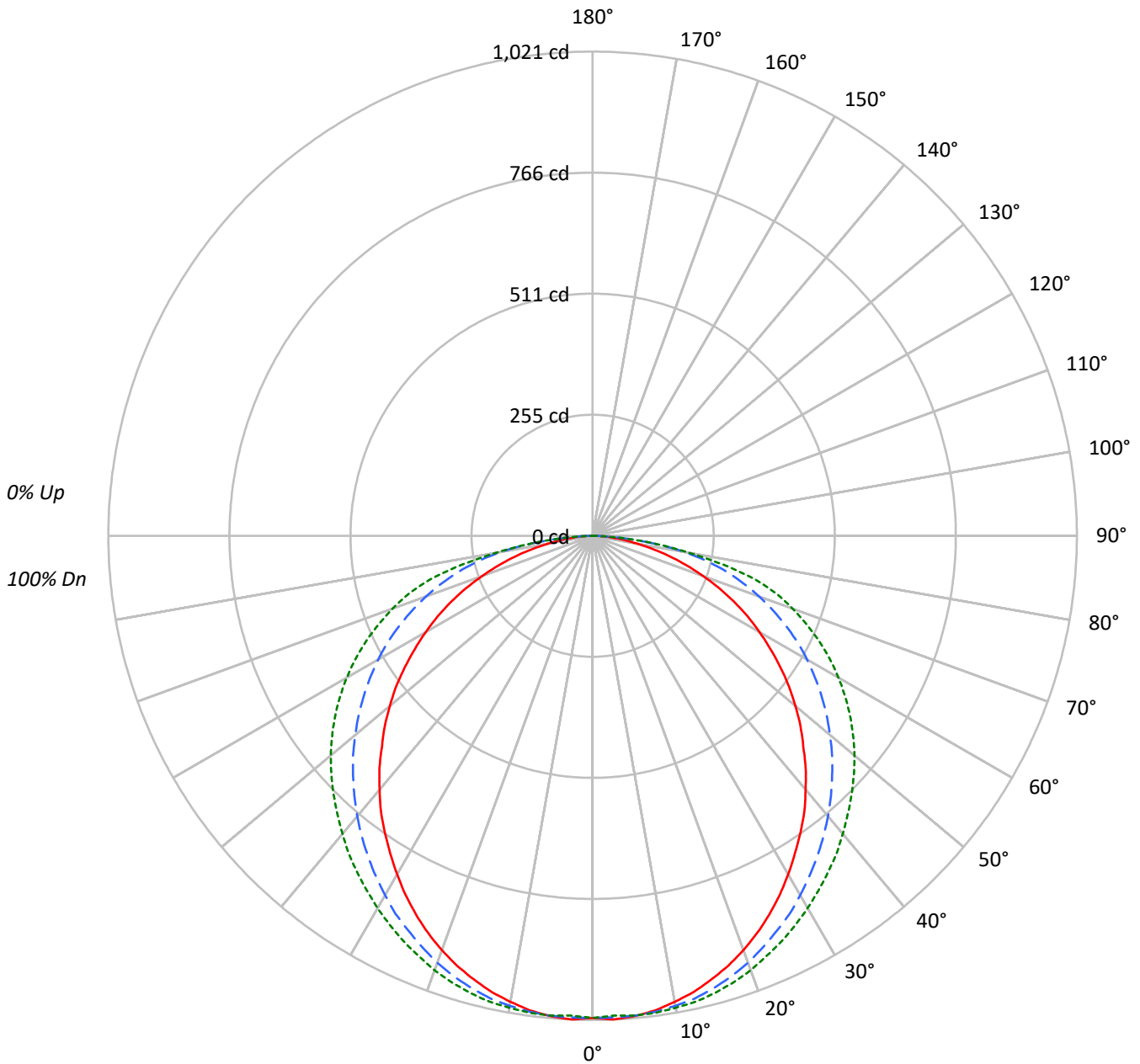
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3181.0 lumens
Efficiency: N/A
Efficacy: 113.6 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): 28
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									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	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°	1435	1435	1435
5°	1440	1439	1439
10°	1430	1442	1448
15°	1415	1443	1458
20°	1396	1439	1464
25°	1372	1431	1469
30°	1344	1426	1477
35°	1316	1422	1491
40°	1287	1422	1511
45°	1254	1425	1541
50°	1225	1434	1582
55°	1189	1450	1631
60°	1147	1473	1690
65°	1098	1501	1761
70°	1018	1539	1851
75°	922	1592	1936
80°	777	1596	1665
85°	594	1206	1206



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	3.0
10°-20°	277.7	8.7
20°-30°	421.8	13.3
30°-40°	513.1	16.1
40°-50°	546.2	17.2
50°-60°	520.3	16.4
60°-70°	435.1	13.7
70°-80°	290.1	9.1
80°-90°	80.3	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°	796.0	25.0
0°-40°	1309.1	41.2
0°-60°	2375.6	74.7
0°-90°	3181.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3181.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1017	1017	1017	1017	1017	
5°	1017	1010	1016	1016	1016	96
15°	968	971	987	995	998	273
25°	881	893	919	935	943	406
35°	764	786	826	853	866	478
45°	628	662	714	754	772	486
55°	483	525	589	641	663	432
65°	329	377	450	505	527	325
75°	169	223	292	341	355	179
85°	37	68	74	74	74	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1016.7	1016.7	1016.7	1016.7	1016.7
2.5°	1021.0	1013.6	1016.7	1016.7	1012.7
5°	1016.7	1010.5	1015.8	1015.8	1015.8
7.5°	1009.5	1004.2	1012.7	1014.7	1014.7
10°	997.9	995.9	1006.4	1009.5	1010.5
12.5°	985.3	984.3	999.0	1003.1	1006.4
15°	968.4	970.6	987.4	994.8	997.9
17.5°	950.7	954.8	973.7	984.3	987.4
20°	929.7	935.9	958.0	968.4	974.8
22.5°	906.6	916.0	939.1	951.6	959.0
25°	881.3	892.8	919.1	934.8	943.3
27.5°	854.0	868.8	899.2	917.0	925.4
30°	824.5	841.3	875.0	896.1	906.6
32.5°	794.1	814.0	850.9	874.0	886.5
35°	763.7	785.8	825.6	852.9	865.5
37.5°	733.2	755.2	799.4	828.8	844.6
40°	698.5	724.7	772.1	804.6	820.4
42.5°	665.0	693.2	743.7	779.4	796.3
45°	628.1	661.8	714.2	754.2	772.1
47.5°	594.5	628.1	684.9	726.9	746.9
50°	557.8	593.4	653.3	699.6	720.7
52.5°	522.0	558.9	621.8	671.2	692.3
55°	483.3	525.2	589.3	640.8	662.8
57.5°	444.3	489.5	555.6	609.3	631.4
60°	406.5	452.7	522.0	575.7	598.7
62.5°	368.7	414.9	487.4	542.0	564.1
65°	328.7	377.0	449.5	505.2	527.3
67.5°	288.9	339.2	411.7	467.4	488.4
70°	246.8	300.5	373.0	427.6	448.6
72.5°	208.0	261.6	333.0	386.6	406.5
75°	169.1	222.7	292.0	341.4	355.1
77.5°	131.3	184.8	246.8	279.4	282.6
80°	95.6	146.1	196.4	205.9	204.8
82.5°	64.0	109.2	135.6	136.5	139.7
85°	36.7	68.3	74.5	73.6	74.5
87.5°	14.7	24.2	21.0	15.7	15.7
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)