

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: P732182

Luminaire Tested: **24CZ2-35HE-SQR-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732182
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: 24CZ2-35HE-SQR-B2750-W2D-3000K
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

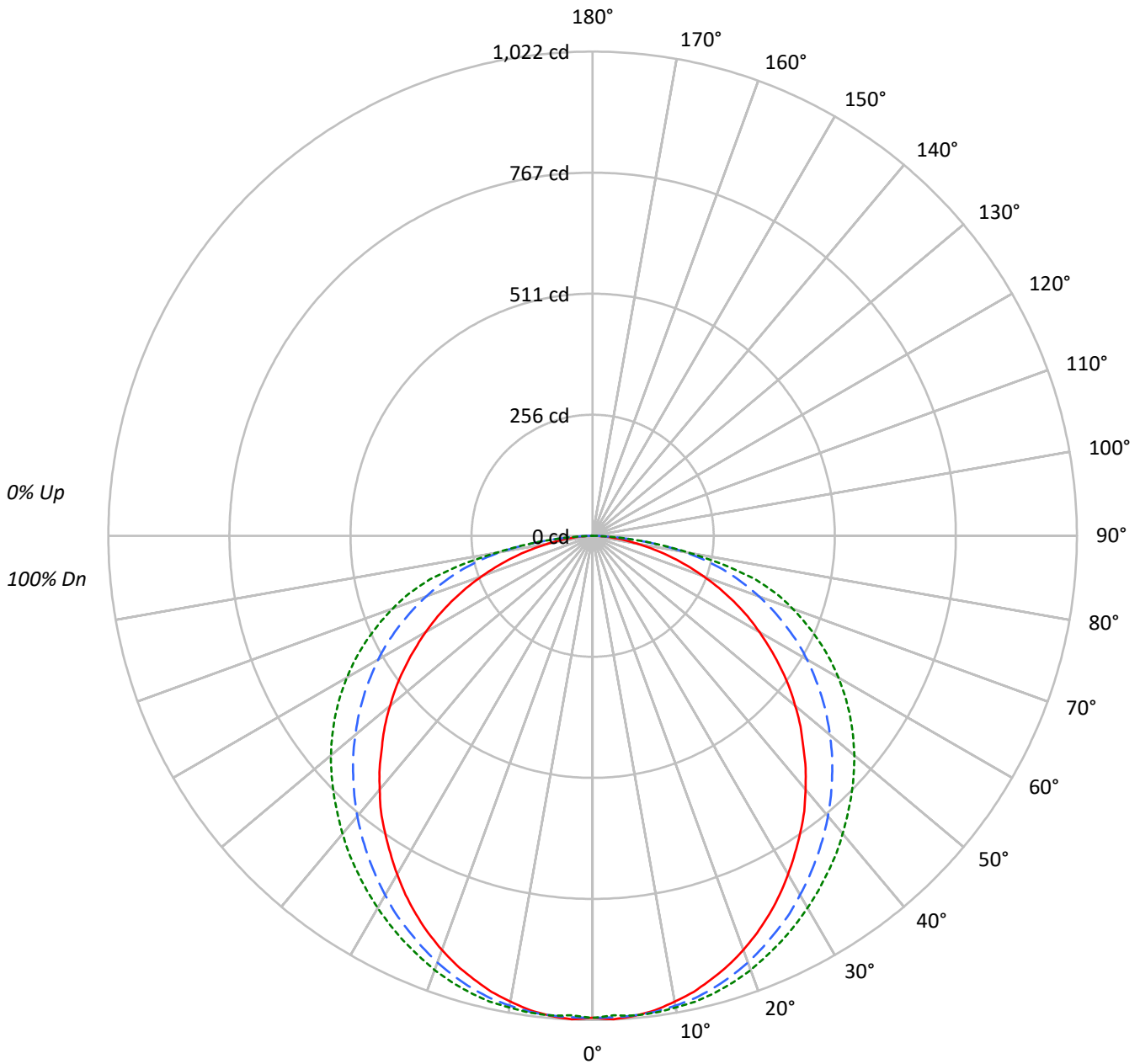
Lumens per Lamp: N/A
Luminaire Lumens: 3183.0 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.33 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 26
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									
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	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°	1436	1436	1436
5°	1441	1440	1440
10°	1431	1443	1449
15°	1416	1444	1459
20°	1397	1440	1465
25°	1373	1432	1470
30°	1345	1427	1478
35°	1316	1423	1492
40°	1288	1423	1513
45°	1254	1426	1542
50°	1225	1436	1583
55°	1190	1451	1632
60°	1148	1475	1691
65°	1098	1502	1762
70°	1019	1540	1852
75°	923	1593	1937
80°	777	1598	1665
85°	594	1208	1208



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	3.0
10°-20°	277.9	8.7
20°-30°	422.1	13.3
30°-40°	513.4	16.1
40°-50°	546.6	17.2
50°-60°	520.6	16.4
60°-70°	435.3	13.7
70°-80°	290.3	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°	796.5	25.0
0°-40°	1309.9	41.2
0°-60°	2377.1	74.7
0°-90°	3183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3183.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1017	1017	1017	1017	1017	
5°	1017	1011	1016	1016	1016	97
15°	969	971	988	995	998	273
25°	882	893	920	935	944	406
35°	764	786	826	854	866	478
45°	628	662	715	755	773	486
55°	484	526	590	641	663	432
65°	329	377	450	506	528	325
75°	169	223	292	342	355	179
85°	37	68	75	74	75	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1017.4	1017.4	1017.4	1017.4	1017.4
2.5°	1021.6	1014.2	1017.4	1017.4	1013.3
5°	1017.4	1011.1	1016.4	1016.4	1016.4
7.5°	1010.1	1004.8	1013.3	1015.3	1015.3
10°	998.5	996.5	1007.0	1010.1	1011.1
12.5°	986.0	984.9	999.6	1003.7	1007.0
15°	969.0	971.2	988.0	995.4	998.5
17.5°	951.3	955.4	974.4	984.9	988.0
20°	930.2	936.5	958.6	969.0	975.5
22.5°	907.2	916.6	939.7	952.2	959.6
25°	881.9	893.4	919.7	935.4	943.9
27.5°	854.6	869.3	899.8	917.5	926.0
30°	825.1	841.9	875.6	896.6	907.2
32.5°	794.6	814.5	851.4	874.5	887.1
35°	764.1	786.3	826.1	853.5	866.0
37.5°	733.7	755.7	799.9	829.3	845.1
40°	699.0	725.2	772.6	805.1	821.0
42.5°	665.4	693.6	744.2	779.8	796.8
45°	628.5	662.2	714.7	754.7	772.6
47.5°	594.9	628.5	685.3	727.4	747.3
50°	558.1	593.8	653.8	700.1	721.1
52.5°	522.4	559.2	622.2	671.7	692.7
55°	483.6	525.5	589.7	641.2	663.2
57.5°	444.6	489.8	556.0	609.6	631.8
60°	406.8	453.0	522.4	576.0	599.1
62.5°	369.0	415.1	487.7	542.3	564.4
65°	328.9	377.3	449.8	505.6	527.7
67.5°	289.0	339.4	412.0	467.7	488.7
70°	247.0	300.7	373.2	427.8	448.9
72.5°	208.2	261.7	333.2	386.8	406.8
75°	169.2	222.8	292.2	341.6	355.3
77.5°	131.4	185.0	247.0	279.6	282.8
80°	95.6	146.2	196.6	206.0	204.9
82.5°	64.1	109.3	135.6	136.6	139.7
85°	36.7	68.3	74.6	73.6	74.6
87.5°	14.8	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)