

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: P843007

Luminaire Tested: **24CZ2-30HE-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P843007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272125)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30HE-UNV-B35
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

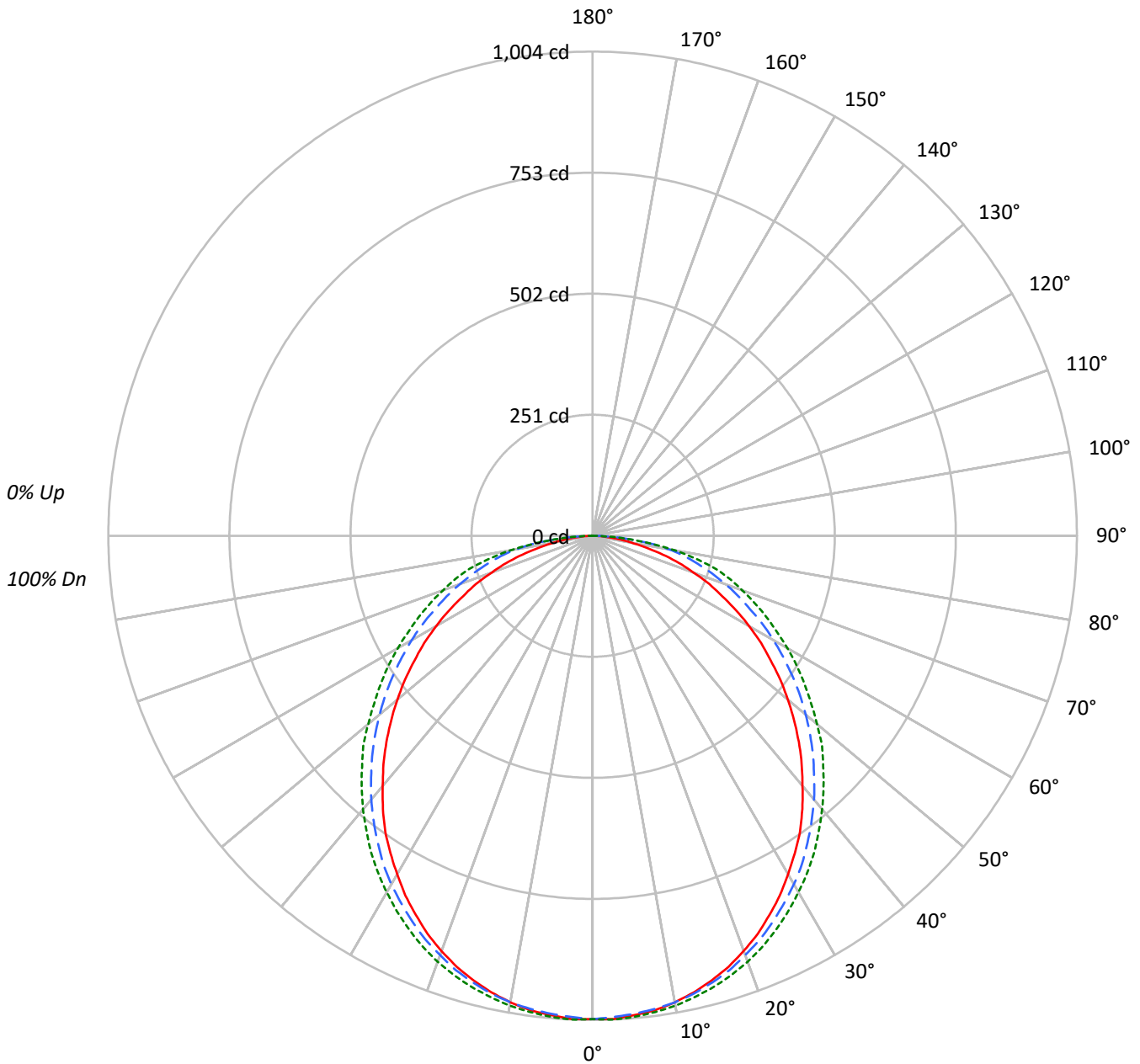
Lumens per Lamp: N/A
Luminaire Lumens: 2853.0 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83								
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69								
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58								
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49								
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42								
6	70	56	47	40	68	55	47	40	53	46	40	52	45	40	50	44	39	37								
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33								
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29								
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26								
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1415	1415	1415
5°	1413	1410	1419
10°	1408	1408	1418
15°	1394	1401	1416
20°	1376	1390	1412
25°	1351	1376	1403
30°	1320	1360	1391
35°	1291	1338	1380
40°	1247	1316	1364
45°	1207	1290	1349
50°	1160	1266	1333
55°	1108	1242	1320
60°	1057	1223	1317
65°	989	1202	1325
70°	916	1208	1361
75°	821	1231	1438
80°	663	1304	1407
85°	499	1143	1116



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	3.3
10°-20°	271.1	9.5
20°-30°	407.6	14.3
30°-40°	485.5	17.0
40°-50°	496.9	17.4
50°-60°	447.3	15.7
60°-70°	351.3	12.3
70°-80°	228.0	8.0
80°-90°	70.5	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°	773.6	27.1
0°-40°	1259.0	44.1
0°-60°	2203.2	77.2
0°-90°	2853.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2853.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	998	1000	995	1000	1001	95
15°	954	957	959	967	969	269
25°	867	874	884	898	901	400
35°	750	758	777	796	801	468
45°	604	619	646	671	676	466
55°	450	470	505	531	536	404
65°	296	319	360	390	397	295
75°	150	179	226	256	264	159
85°	31	57	71	69	69	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1002.3	1002.3	1002.3	1002.3	1002.3
2.5°	1003.2	1003.2	998.6	1003.2	1004.1
5°	997.7	999.6	995.0	1000.5	1001.3
7.5°	992.3	992.3	989.5	995.0	996.0
10°	982.3	983.2	982.3	988.7	989.5
12.5°	969.7	971.4	972.4	978.7	979.6
15°	954.3	957.0	958.8	966.9	968.8
17.5°	937.0	939.8	944.2	953.3	955.2
20°	916.2	919.8	925.2	937.0	939.8
22.5°	893.6	897.2	906.2	917.1	921.6
25°	867.3	874.5	883.5	898.1	900.8
27.5°	840.9	847.3	859.1	874.5	878.2
30°	810.2	820.1	834.6	850.0	853.6
32.5°	780.2	790.2	807.4	823.8	828.3
35°	749.5	758.5	776.6	795.6	801.1
37.5°	714.1	725.9	745.8	764.8	770.3
40°	677.0	691.5	714.1	734.1	740.4
42.5°	641.6	657.0	679.7	701.4	708.6
45°	604.5	619.0	646.2	670.6	676.1
47.5°	566.3	582.7	611.7	636.1	645.2
50°	528.3	545.6	576.4	601.7	607.2
52.5°	490.2	508.4	541.0	568.2	570.9
55°	450.4	470.4	504.8	531.1	536.5
57.5°	414.1	431.4	468.5	495.7	502.0
60°	374.3	393.3	433.1	458.6	466.7
62.5°	336.2	356.2	397.9	423.2	430.4
65°	296.3	319.0	359.8	389.7	396.9
67.5°	261.9	283.7	327.1	356.2	363.4
70°	222.0	246.5	292.7	322.6	329.8
72.5°	187.6	212.9	259.2	288.1	299.1
75°	150.5	179.4	225.7	256.5	263.7
77.5°	114.2	147.7	194.8	218.4	218.4
80°	81.6	116.9	160.4	171.3	173.1
82.5°	53.5	87.9	118.7	117.8	117.8
85°	30.8	57.1	70.6	68.9	68.9
87.5°	11.8	23.6	25.3	25.3	24.5
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)