

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: P880663

Luminaire Tested: **22CZ2-24VHE-S-B2750-W2D-3000K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P880663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P475230)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-24VHE-S-B2750-W2D-3000K
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

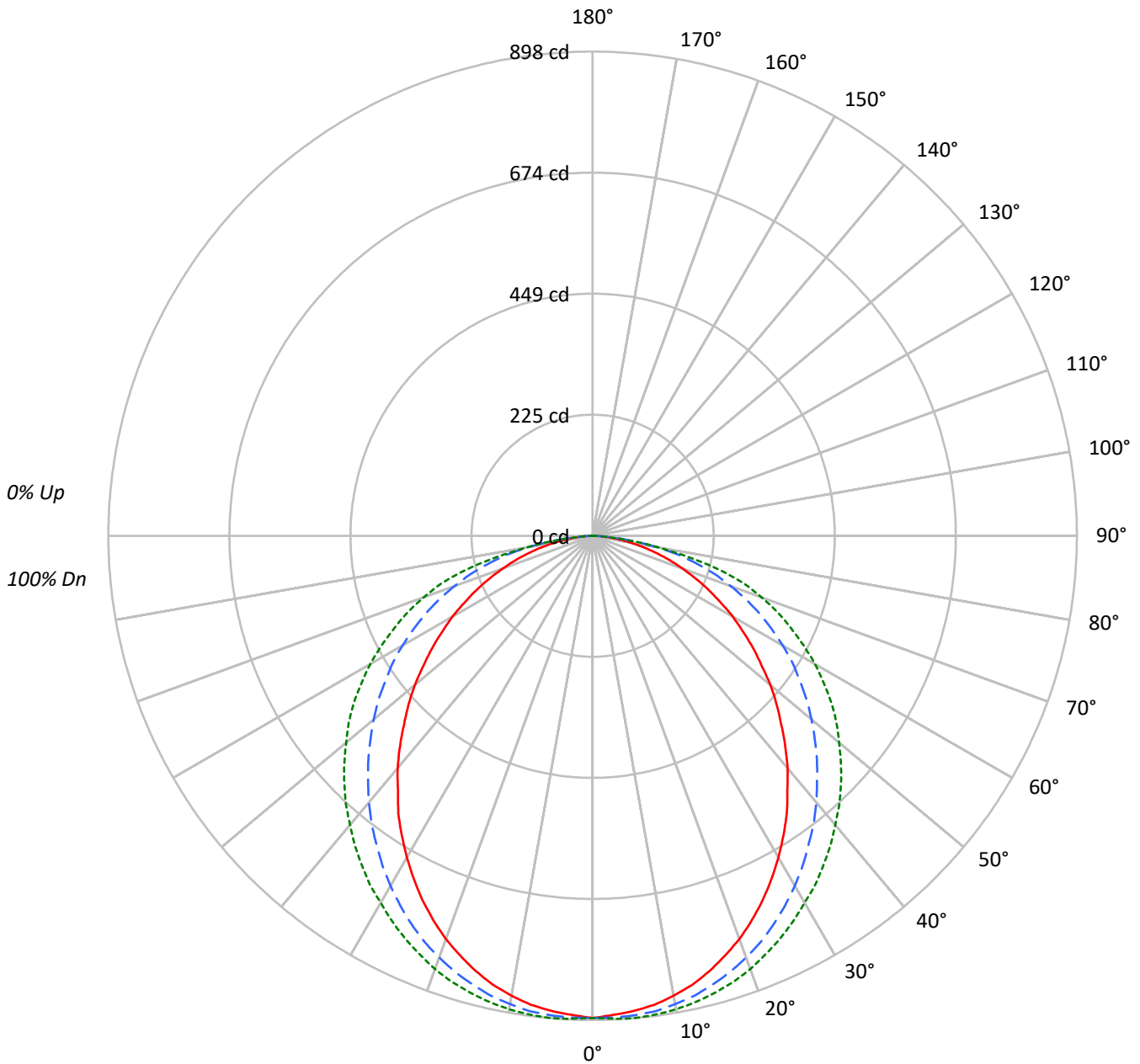
Lumens per Lamp: N/A
Luminaire Lumens: 2560.0 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.31 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): 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

TEST NUMBER: P880663

CATALOG NUMBER: 22CZ2-24VHE-S-B2750-W2D-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P880663

CATALOG NUMBER: 22CZ2-24VHE-S-B2750-W2D-3000K

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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83																			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43																			
6	70	56	47	41	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°	2538	2538	2538
5°	2519	2544	2558
10°	2496	2542	2570
15°	2456	2530	2577
20°	2403	2514	2583
25°	2336	2488	2579
30°	2257	2456	2576
35°	2176	2420	2584
40°	2084	2390	2593
45°	1984	2360	2614
50°	1899	2338	2634
55°	1797	2320	2675
60°	1703	2311	2704
65°	1591	2292	2725
70°	1461	2257	2762
75°	1320	2197	2663
80°	1131	1946	2005
85°	908	1146	908



TEST NUMBER: P880663

CATALOG NUMBER: 22CZ2-24VHE-S-B2750-W2D-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	3.3
10°-20°	242.4	9.5
20°-30°	364.1	14.2
30°-40°	434.2	17.0
40°-50°	448.9	17.5
50°-60°	412.7	16.1
60°-70°	328.6	12.8
70°-80°	200.7	7.8
80°-90°	43.6	1.7
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°	691.3	27.0
0°-40°	1125.4	44.0
0°-60°	1987.1	77.6
0°-90°	2560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2560.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	894	894	894	894	894	
5°	884	887	893	897	898	84
15°	836	846	861	874	877	235
25°	746	764	795	816	824	343
35°	628	655	699	735	746	392
45°	494	530	588	636	651	382
55°	363	403	469	522	541	325
65°	237	277	341	389	406	235
75°	120	156	200	236	243	128
85°	28	34	35	30	28	32
90°	0	0	0	0	0	



TEST NUMBER: P880663

CATALOG NUMBER: 22CZ2-24VHE-S-B2750-W2D-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	894.3	894.3	894.3	894.3	894.3
2.5°	889.4	890.5	894.3	896.7	896.7
5°	884.5	887.0	893.0	896.7	898.0
7.5°	877.3	880.9	889.4	894.3	895.6
10°	866.3	871.3	882.1	889.4	891.8
12.5°	853.0	860.3	873.6	883.4	885.7
15°	836.1	845.7	861.4	873.6	877.3
17.5°	816.5	828.6	848.2	862.8	867.6
20°	795.8	808.0	832.4	849.3	855.3
22.5°	771.6	787.4	815.3	834.8	839.6
25°	746.1	764.3	794.7	816.5	823.8
27.5°	718.0	740.1	772.8	799.6	805.7
30°	688.9	712.0	749.7	778.8	786.1
32.5°	658.5	685.3	725.3	758.2	768.0
35°	628.1	654.9	698.6	735.2	746.1
37.5°	592.9	624.5	673.2	710.9	724.1
40°	562.6	592.9	645.3	686.5	699.9
42.5°	528.5	561.4	616.1	661.0	676.8
45°	494.5	529.7	588.1	635.5	651.3
47.5°	462.9	498.1	558.9	608.8	624.5
50°	430.1	466.6	529.7	580.8	596.6
52.5°	394.9	435.0	500.6	551.6	569.9
55°	363.3	403.3	468.9	522.4	540.7
57.5°	330.4	371.8	439.9	490.9	508.0
60°	300.1	340.2	407.2	456.8	476.4
62.5°	267.3	308.5	374.2	422.8	441.1
65°	236.9	277.0	341.4	388.9	405.8
67.5°	206.5	246.8	307.3	352.4	371.8
70°	176.1	216.4	272.1	316.0	332.9
72.5°	149.5	184.7	238.1	278.3	294.1
75°	120.4	155.6	200.4	235.6	242.9
77.5°	93.5	125.2	162.9	178.5	181.2
80°	69.2	93.5	119.1	122.7	122.7
82.5°	46.1	64.4	74.1	75.2	74.1
85°	27.9	34.0	35.2	30.4	27.9
87.5°	9.6	9.6	6.1	3.6	1.2
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)