

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: P880808

Luminaire Tested: **24CZ2-30VHE-RDP-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: P880808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474311)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-30VHE-RDP-B2750-W2D-3000K
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

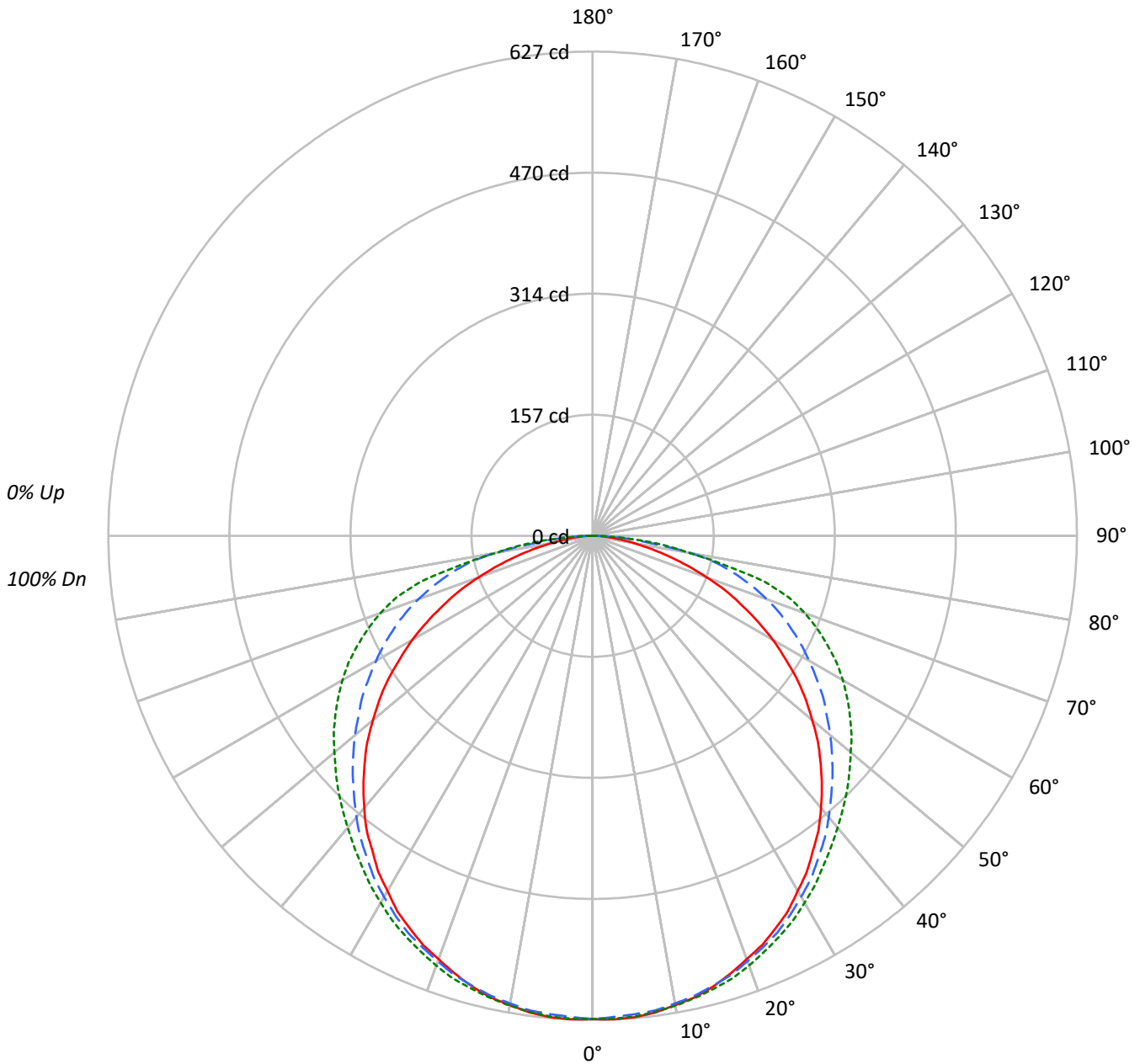
Lumens per Lamp: N/A
Luminaire Lumens: 1990.0 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
Input Voltage (V): NR
Input Current (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: P880808

CATALOG NUMBER: 24CZ2-30VHE-RDP-B2750-W2D-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P880808

CATALOG NUMBER: 24CZ2-30VHE-RDP-B2750-W2D-3000K

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	88	86	84	82								
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67								
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56								
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47								
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40								
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35								
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31								
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27								
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24								
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	883	883	883
5°	887	881	885
10°	884	881	886
15°	883	881	887
20°	876	881	890
25°	873	882	892
30°	865	880	894
35°	857	877	898
40°	848	877	909
45°	833	877	930
50°	815	882	958
55°	794	896	1001
60°	761	914	1056
65°	712	946	1121
70°	647	990	1205
75°	549	1044	1260
80°	433	1051	1018
85°	321	798	895



TEST NUMBER: P880808

CATALOG NUMBER: 24CZ2-30VHE-RDP-B2750-W2D-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	3.0
10°-20°	170.9	8.6
20°-30°	261.3	13.1
30°-40°	319.4	16.0
40°-50°	340.4	17.1
50°-60°	325.5	16.4
60°-70°	275.7	13.9
70°-80°	185.3	9.3
80°-90°	52.3	2.6
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°	491.5	24.7
0°-40°	810.9	40.7
0°-60°	1476.7	74.2
0°-90°	1990.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1990.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	626	626	626	626	626	
5°	626	625	622	625	625	59
15°	604	604	603	608	607	170
25°	561	563	567	572	572	258
35°	497	501	509	519	521	312
45°	418	424	439	458	466	322
55°	323	335	364	393	407	287
65°	213	235	283	321	336	212
75°	101	137	192	224	231	108
85°	20	40	49	53	55	24
90°	0	0	0	0	0	



TEST NUMBER: P880808

CATALOG NUMBER: 24CZ2-30VHE-RDP-B2750-W2D-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	625.8	625.8	625.8	625.8	625.8
2.5°	626.8	626.8	623.8	625.8	625.8
5°	625.8	624.9	621.9	624.9	624.9
7.5°	622.8	621.9	619.9	622.8	621.9
10°	617.0	617.0	614.9	617.9	617.9
12.5°	612.0	611.0	610.0	614.0	613.0
15°	604.1	604.1	603.1	608.0	607.0
17.5°	594.2	595.2	596.2	600.2	601.2
20°	583.3	585.4	586.3	592.3	592.3
22.5°	573.5	574.5	576.5	582.4	582.4
25°	560.7	562.6	566.6	571.5	572.5
27.5°	547.8	548.8	553.7	560.7	561.6
30°	531.0	534.0	540.0	547.8	548.8
32.5°	516.2	519.1	526.1	534.0	536.0
35°	497.4	501.4	509.3	519.1	521.2
37.5°	480.7	483.6	493.5	504.4	507.3
40°	460.1	465.8	475.8	488.6	493.5
42.5°	439.2	445.2	457.1	473.7	479.6
45°	417.5	424.5	439.2	458.0	465.8
47.5°	395.9	403.8	420.5	442.2	451.1
50°	371.1	381.0	401.7	426.4	436.3
52.5°	347.5	359.3	382.0	409.6	422.5
55°	322.7	334.6	364.2	392.9	406.7
57.5°	295.1	310.8	343.5	376.1	390.8
60°	269.5	284.2	323.8	359.3	374.1
62.5°	241.8	261.6	304.0	341.5	356.3
65°	213.2	235.0	283.3	320.8	335.6
67.5°	187.6	211.3	262.6	300.0	314.8
70°	156.9	186.5	239.9	277.3	292.1
72.5°	128.3	160.9	216.2	252.7	266.5
75°	100.6	137.2	191.5	224.1	231.0
77.5°	75.1	113.4	165.8	179.7	174.7
80°	53.3	90.9	129.3	122.3	125.3
82.5°	34.6	69.1	80.0	90.9	93.7
85°	19.8	40.5	49.3	53.3	55.3
87.5°	8.9	14.8	19.8	19.8	18.8
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)