

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: P880982

Luminaire Tested: **24CZ2-65VHE-RDP-B2750-W2D-2700K**

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: P880982
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: 24CZ2-65VHE-RDP-B2750-W2D-2700K
Description: 2X4 6500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

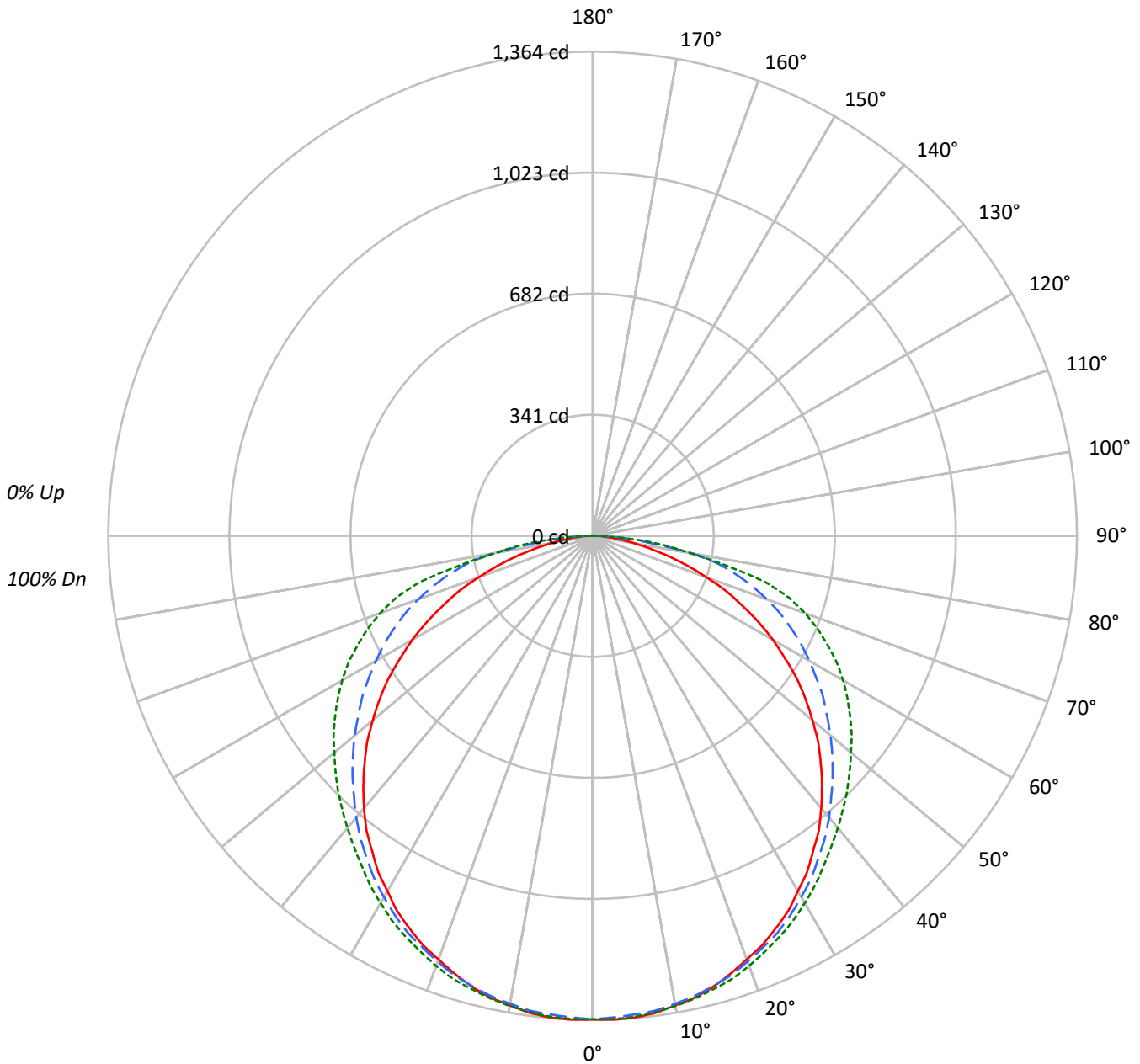
Lumens per Lamp: N/A
Luminaire Lumens: 4332.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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

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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	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°	1923	1923	1923
5°	1930	1918	1927
10°	1925	1919	1928
15°	1921	1918	1931
20°	1907	1917	1937
25°	1901	1921	1941
30°	1884	1916	1947
35°	1866	1910	1955
40°	1845	1908	1979
45°	1814	1909	2024
50°	1774	1920	2086
55°	1729	1951	2178
60°	1656	1989	2299
65°	1550	2059	2440
70°	1410	2155	2624
75°	1195	2273	2742
80°	943	2287	2217
85°	696	1739	1950



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	3.0
10°-20°	371.9	8.6
20°-30°	568.7	13.1
30°-40°	695.2	16.0
40°-50°	741.0	17.1
50°-60°	708.5	16.4
60°-70°	600.2	13.9
70°-80°	403.4	9.3
80°-90°	113.8	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°	1069.9	24.7
0°-40°	1765.1	40.7
0°-60°	3214.6	74.2
0°-90°	4332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4332.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1362	1362	1362	1362	1362	
5°	1362	1360	1354	1360	1360	129
15°	1315	1315	1313	1324	1322	371
25°	1220	1225	1233	1244	1246	562
35°	1083	1092	1109	1130	1134	678
45°	909	924	956	997	1014	701
55°	702	728	793	855	885	626
65°	464	512	617	698	731	461
75°	219	299	417	488	503	235
85°	43	88	107	116	120	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1362.4	1362.4	1362.4	1362.4	1362.4
2.5°	1364.5	1364.5	1358.0	1362.4	1362.4
5°	1362.4	1360.3	1353.8	1360.3	1360.3
7.5°	1355.9	1353.8	1349.4	1355.9	1353.8
10°	1343.1	1343.1	1338.7	1345.2	1345.2
12.5°	1332.2	1330.1	1328.0	1336.6	1334.5
15°	1314.9	1314.9	1312.9	1323.6	1321.5
17.5°	1293.5	1295.6	1298.0	1306.6	1308.7
20°	1269.8	1274.2	1276.3	1289.4	1289.4
22.5°	1248.4	1250.5	1254.9	1267.7	1267.7
25°	1220.5	1224.7	1233.3	1244.0	1246.3
27.5°	1192.4	1194.7	1205.4	1220.5	1222.6
30°	1155.9	1162.4	1175.4	1192.4	1194.7
32.5°	1123.8	1130.1	1145.2	1162.4	1166.8
35°	1082.9	1091.5	1108.7	1130.1	1134.5
37.5°	1046.4	1052.7	1074.3	1098.0	1104.3
40°	1001.5	1014.1	1035.7	1063.6	1074.3
42.5°	956.2	969.2	995.0	1031.3	1044.1
45°	908.9	924.1	956.2	997.1	1014.1
47.5°	861.7	878.9	915.4	962.7	982.0
50°	807.8	829.4	874.5	928.2	949.9
52.5°	756.4	782.2	831.5	891.7	919.6
55°	702.5	728.3	792.9	855.2	885.2
57.5°	642.5	676.7	747.8	818.7	850.8
60°	586.7	618.8	704.8	782.2	814.3
62.5°	526.4	569.5	661.8	743.4	775.7
65°	464.1	511.5	616.7	698.3	730.6
67.5°	408.3	459.9	571.6	653.2	685.3
70°	341.6	406.0	522.2	603.7	636.0
72.5°	279.3	350.2	470.6	550.2	580.2
75°	219.1	298.6	416.9	487.8	502.9
77.5°	163.5	247.0	360.9	391.1	380.4
80°	116.0	197.9	281.4	266.3	272.8
82.5°	75.3	150.4	174.2	197.9	203.9
85°	43.0	88.1	107.4	116.0	120.4
87.5°	19.3	32.3	43.0	43.0	40.9
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)