

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: P732396

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-65HE-RDP-B2750-W2D-2700K
Description: 2X4 6500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

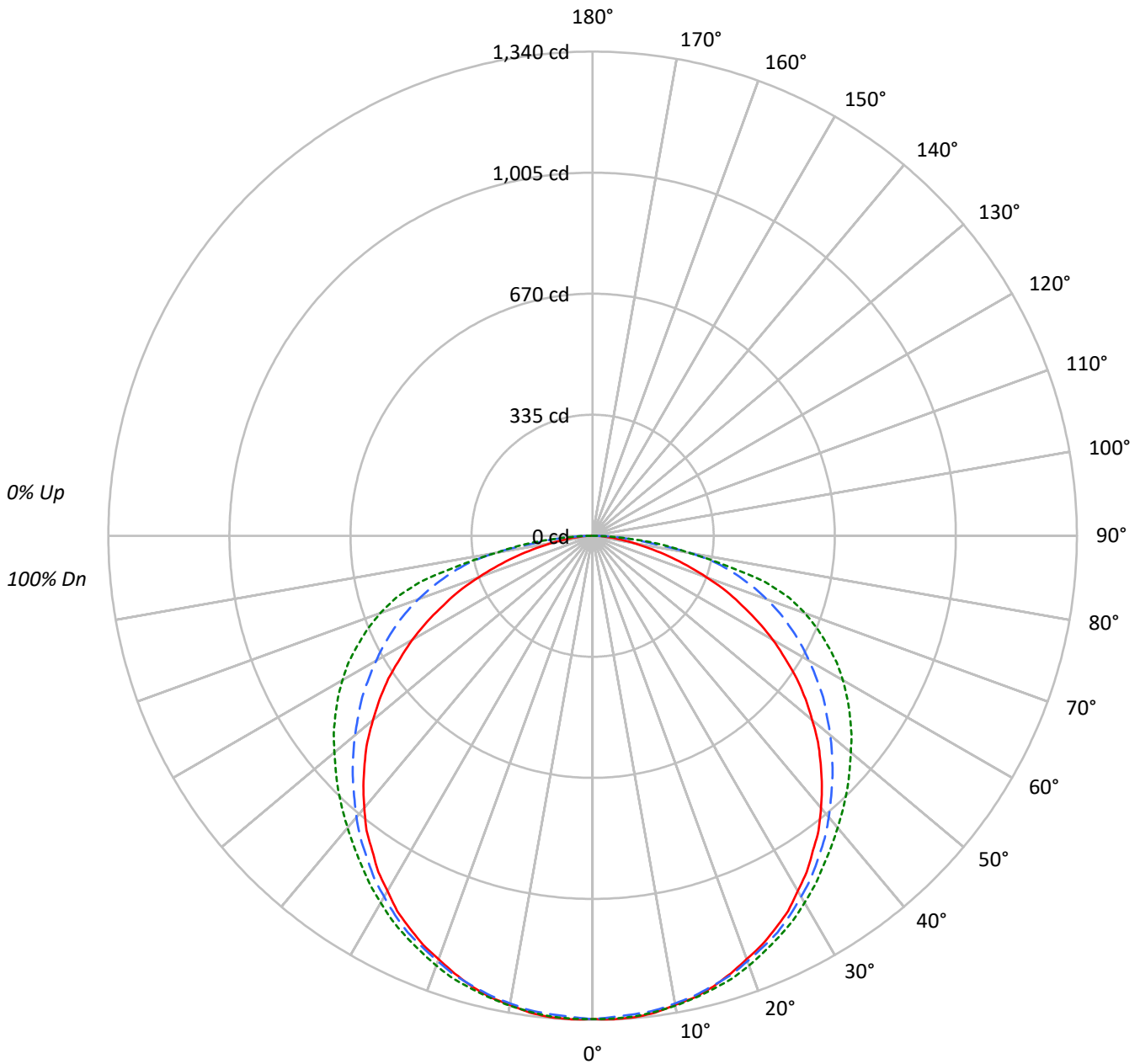
Lumens per Lamp: N/A
Luminaire Lumens: 4253.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 50
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	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°	1888	1888	1888
5°	1895	1883	1892
10°	1889	1884	1893
15°	1887	1883	1896
20°	1872	1882	1901
25°	1866	1886	1905
30°	1850	1880	1911
35°	1832	1875	1919
40°	1811	1873	1944
45°	1781	1874	1987
50°	1741	1885	2047
55°	1697	1915	2139
60°	1626	1953	2257
65°	1521	2022	2395
70°	1384	2115	2577
75°	1173	2232	2692
80°	927	2245	2177
85°	683	1710	1911



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.9	3.0
10°-20°	365.1	8.6
20°-30°	558.4	13.1
30°-40°	682.6	16.0
40°-50°	727.5	17.1
50°-60°	695.6	16.4
60°-70°	589.2	13.9
70°-80°	396.0	9.3
80°-90°	111.7	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°	1050.4	24.7
0°-40°	1732.9	40.7
0°-60°	3156.0	74.2
0°-90°	4253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4253.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1338	1338	1338	1338	1338	
5°	1338	1335	1329	1335	1335	127
15°	1291	1291	1289	1300	1297	364
25°	1198	1202	1211	1222	1224	552
35°	1063	1072	1088	1110	1114	666
45°	892	907	939	979	996	688
55°	690	715	778	840	869	614
65°	456	502	605	686	717	452
75°	215	293	409	479	494	230
85°	42	86	106	114	118	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1337.5	1337.5	1337.5	1337.5	1337.5
2.5°	1339.5	1339.5	1333.1	1337.5	1337.5
5°	1337.5	1335.4	1329.1	1335.4	1335.4
7.5°	1331.1	1329.1	1324.7	1331.1	1329.1
10°	1318.4	1318.4	1314.3	1320.7	1320.7
12.5°	1308.0	1305.9	1303.6	1312.0	1310.0
15°	1291.2	1291.2	1288.9	1299.6	1297.3
17.5°	1270.1	1272.1	1274.1	1282.5	1284.8
20°	1246.7	1251.0	1253.0	1265.7	1265.7
22.5°	1225.5	1227.8	1231.9	1244.6	1244.6
25°	1198.3	1202.4	1210.8	1221.5	1223.5
27.5°	1170.8	1172.9	1183.6	1198.3	1200.4
30°	1135.0	1141.3	1153.8	1170.8	1172.9
32.5°	1103.2	1109.5	1124.3	1141.3	1145.4
35°	1063.3	1071.6	1088.4	1109.5	1113.9
37.5°	1027.4	1033.7	1054.9	1078.0	1084.4
40°	983.1	995.6	1016.7	1044.2	1054.9
42.5°	938.9	951.3	976.8	1012.6	1025.4
45°	892.3	907.1	938.9	978.8	995.6
47.5°	846.0	862.8	898.7	945.0	964.0
50°	793.1	814.2	858.5	911.4	932.5
52.5°	742.5	767.9	816.5	875.5	903.0
55°	689.8	715.0	778.4	839.7	869.2
57.5°	630.8	664.4	734.1	803.8	835.3
60°	575.9	607.4	691.9	767.9	799.5
62.5°	516.9	559.1	649.7	729.8	761.6
65°	455.6	502.1	605.4	685.5	717.3
67.5°	400.9	451.5	561.1	641.3	673.1
70°	335.5	398.6	512.5	592.7	624.5
72.5°	274.2	343.9	461.9	540.0	569.5
75°	215.2	293.3	409.3	479.0	493.7
77.5°	160.3	242.7	354.3	383.8	373.4
80°	114.0	194.1	276.2	261.5	267.8
82.5°	73.8	147.8	170.9	194.1	200.4
85°	42.2	86.5	105.6	114.0	118.0
87.5°	19.1	31.5	42.2	42.2	40.2
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)