

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: P732381

Luminaire Tested: **24CZ2-60HE-SQR-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P388488)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-60HE-SQR-B2750-W2D-2700K
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

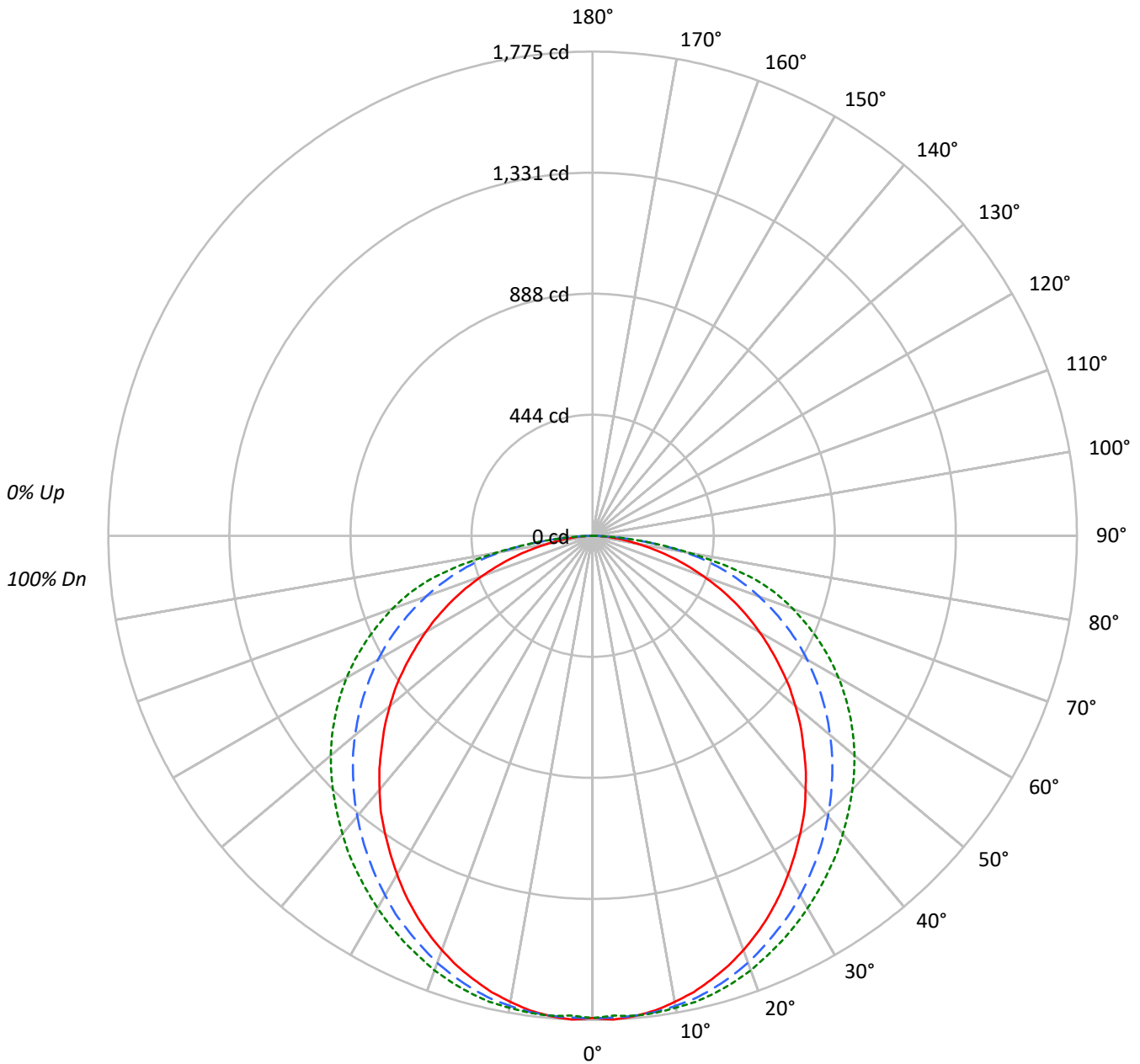
Lumens per Lamp: N/A
Luminaire Lumens: 5531.0 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.33 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 45
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									
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	89	86	84	82																			
2	98	89	81	75	95	87	80	74	83	78	73	80	75	71	77	73	69	67																			
3	89	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56																			
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47																			
5	74	61	51	44	72	60	51	44	57	50	44	55	49	43	54	48	43	41																			
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35																			
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31																			
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28																			
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25																			
10	52	38	30	25	50	37	30	24	36	29	24	36	29	24	35	29	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2495	2495	2495
5°	2505	2502	2502
10°	2487	2508	2518
15°	2460	2508	2535
20°	2428	2502	2546
25°	2386	2489	2554
30°	2336	2480	2569
35°	2288	2473	2593
40°	2238	2473	2628
45°	2180	2479	2680
50°	2130	2494	2751
55°	2068	2521	2836
60°	1995	2562	2939
65°	1909	2610	3062
70°	1771	2676	3219
75°	1604	2768	3367
80°	1351	2776	2893
85°	1035	2099	2099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.8	3.0
10°-20°	482.8	8.7
20°-30°	733.4	13.3
30°-40°	892.1	16.1
40°-50°	949.8	17.2
50°-60°	904.6	16.4
60°-70°	756.5	13.7
70°-80°	504.4	9.1
80°-90°	139.5	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°	1384.1	25.0
0°-40°	2276.2	41.2
0°-60°	4130.6	74.7
0°-90°	5531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1768	1768	1768	1768	1768	
5°	1768	1757	1766	1766	1766	168
15°	1684	1688	1717	1730	1735	475
25°	1532	1552	1598	1626	1640	706
35°	1328	1366	1436	1483	1505	831
45°	1092	1151	1242	1311	1342	844
55°	840	913	1025	1114	1152	751
65°	572	656	782	878	917	565
75°	294	387	508	594	617	312
85°	64	119	130	128	130	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1767.9	1767.9	1767.9	1767.9	1767.9
2.5°	1775.2	1762.4	1767.9	1767.9	1760.8
5°	1767.9	1757.0	1766.2	1766.2	1766.2
7.5°	1755.3	1746.0	1760.8	1764.3	1764.3
10°	1735.1	1731.6	1749.8	1755.3	1757.0
12.5°	1713.3	1711.4	1737.0	1744.1	1749.8
15°	1683.9	1687.7	1716.8	1729.7	1735.1
17.5°	1653.0	1660.1	1693.1	1711.4	1716.8
20°	1616.4	1627.4	1665.8	1683.9	1695.0
22.5°	1576.3	1592.7	1632.8	1654.7	1667.5
25°	1532.4	1552.4	1598.2	1625.5	1640.2
27.5°	1484.9	1510.6	1563.5	1594.4	1609.1
30°	1433.7	1462.9	1521.5	1558.1	1576.3
32.5°	1380.7	1415.4	1479.5	1519.6	1541.4
35°	1327.8	1366.3	1435.6	1483.0	1504.9
37.5°	1274.9	1313.1	1390.0	1441.0	1468.6
40°	1214.6	1260.2	1342.5	1399.0	1426.6
42.5°	1156.2	1205.3	1293.2	1355.1	1384.5
45°	1092.1	1150.7	1241.9	1311.4	1342.5
47.5°	1033.7	1092.1	1190.9	1264.0	1298.6
50°	969.9	1031.8	1136.0	1216.5	1253.0
52.5°	907.7	971.8	1081.2	1167.1	1203.7
55°	840.3	913.1	1024.7	1114.2	1152.4
57.5°	772.6	851.2	966.1	1059.4	1097.8
60°	706.9	787.1	907.7	1001.0	1041.1
62.5°	641.1	721.3	847.4	942.3	980.8
65°	571.6	655.6	781.6	878.5	916.9
67.5°	502.3	589.8	715.9	812.7	849.3
70°	429.2	522.4	648.5	743.4	780.0
72.5°	361.7	454.8	578.9	672.2	706.9
75°	294.1	387.1	507.7	593.6	617.4
77.5°	228.3	321.4	429.2	485.9	491.3
80°	166.2	254.0	341.6	357.9	356.0
82.5°	111.3	189.9	235.7	237.4	242.8
85°	63.9	118.7	129.6	127.9	129.6
87.5°	25.6	42.0	36.6	27.3	27.3
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)