

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: P732379

Luminaire Tested: **24CZ2-60HE-S-B2750-W2D-4000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P272125)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-60HE-S-B2750-W2D-4000K
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

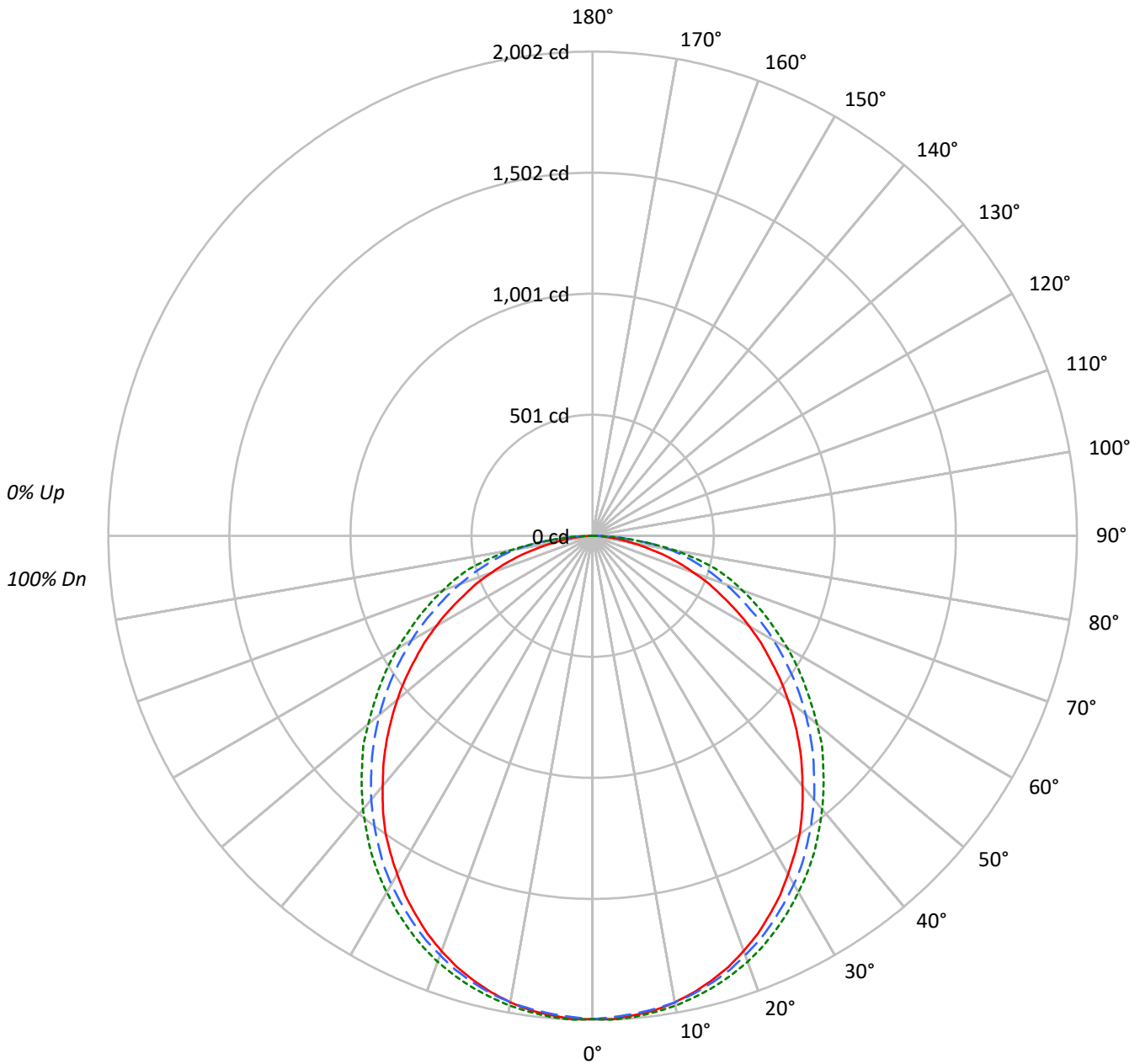
Lumens per Lamp: N/A
Luminaire Lumens: 5689.0 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42																			
6	70	56	47	40	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°	2821	2821	2821
5°	2819	2811	2829
10°	2807	2807	2828
15°	2780	2793	2823
20°	2744	2771	2814
25°	2693	2744	2797
30°	2633	2712	2774
35°	2575	2668	2752
40°	2487	2623	2720
45°	2406	2572	2691
50°	2313	2523	2658
55°	2210	2477	2633
60°	2107	2438	2627
65°	1973	2396	2643
70°	1826	2409	2714
75°	1636	2454	2867
80°	1322	2599	2805
85°	994	2282	2225



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.2	3.3
10°-20°	540.6	9.5
20°-30°	812.7	14.3
30°-40°	968.0	17.0
40°-50°	990.7	17.4
50°-60°	892.0	15.7
60°-70°	700.5	12.3
70°-80°	454.6	8.0
80°-90°	140.6	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°	1542.5	27.1
0°-40°	2510.5	44.1
0°-60°	4393.3	77.2
0°-90°	5689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5689.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1999	1999	1999	1999	1999	
5°	1990	1993	1984	1995	1997	189
15°	1903	1908	1912	1928	1932	537
25°	1729	1744	1762	1791	1796	797
35°	1494	1512	1549	1586	1597	932
45°	1205	1234	1288	1337	1348	929
55°	898	938	1006	1059	1070	805
65°	591	636	717	777	791	588
75°	300	358	450	511	526	317
85°	61	114	141	137	137	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1998.7	1998.7	1998.7	1998.7	1998.7
2.5°	2000.4	2000.4	1991.3	2000.4	2002.2
5°	1989.5	1993.2	1984.1	1995.0	1996.7
7.5°	1978.6	1978.6	1973.2	1984.1	1986.0
10°	1958.8	1960.6	1958.8	1971.5	1973.2
12.5°	1933.6	1937.1	1939.0	1951.6	1953.4
15°	1902.9	1908.3	1911.8	1928.1	1931.8
17.5°	1868.5	1873.9	1882.8	1900.9	1904.6
20°	1826.9	1834.1	1845.0	1868.5	1873.9
22.5°	1781.8	1789.0	1807.1	1828.6	1837.8
25°	1729.4	1743.7	1761.8	1790.8	1796.2
27.5°	1676.9	1689.5	1713.0	1743.7	1751.1
30°	1615.5	1635.3	1664.3	1695.0	1702.1
32.5°	1555.8	1575.6	1610.0	1642.7	1651.6
35°	1494.4	1512.5	1548.6	1586.5	1597.4
37.5°	1423.9	1447.4	1487.3	1525.1	1536.0
40°	1349.9	1378.8	1423.9	1463.7	1476.4
42.5°	1279.3	1310.0	1355.3	1398.6	1413.0
45°	1205.3	1234.3	1288.5	1337.2	1348.1
47.5°	1129.3	1162.0	1219.7	1268.4	1286.5
50°	1053.6	1088.0	1149.3	1199.9	1210.7
52.5°	977.6	1013.7	1078.8	1133.0	1138.5
55°	898.1	937.9	1006.5	1059.0	1069.9
57.5°	825.8	860.2	934.2	988.5	1001.1
60°	746.3	784.2	863.7	914.4	930.5
62.5°	670.4	710.2	793.4	843.9	858.3
65°	590.9	636.2	717.4	777.0	791.4
67.5°	522.3	565.6	652.3	710.2	724.6
70°	442.6	491.6	583.7	643.4	657.7
72.5°	374.0	424.6	516.9	574.6	596.3
75°	300.0	357.7	450.0	511.4	525.8
77.5°	227.7	294.6	388.4	435.4	435.4
80°	162.6	233.2	319.8	341.6	345.1
82.5°	106.7	175.3	236.7	234.9	234.9
85°	61.4	113.9	140.9	137.4	137.4
87.5°	23.5	47.0	50.5	50.5	48.8
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)