

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: P732352

Luminaire Tested: **24CZ2-55HE-S-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732352
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: 24CZ2-55HE-S-B2750-W2D-3000K
Description: 2X4 5500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

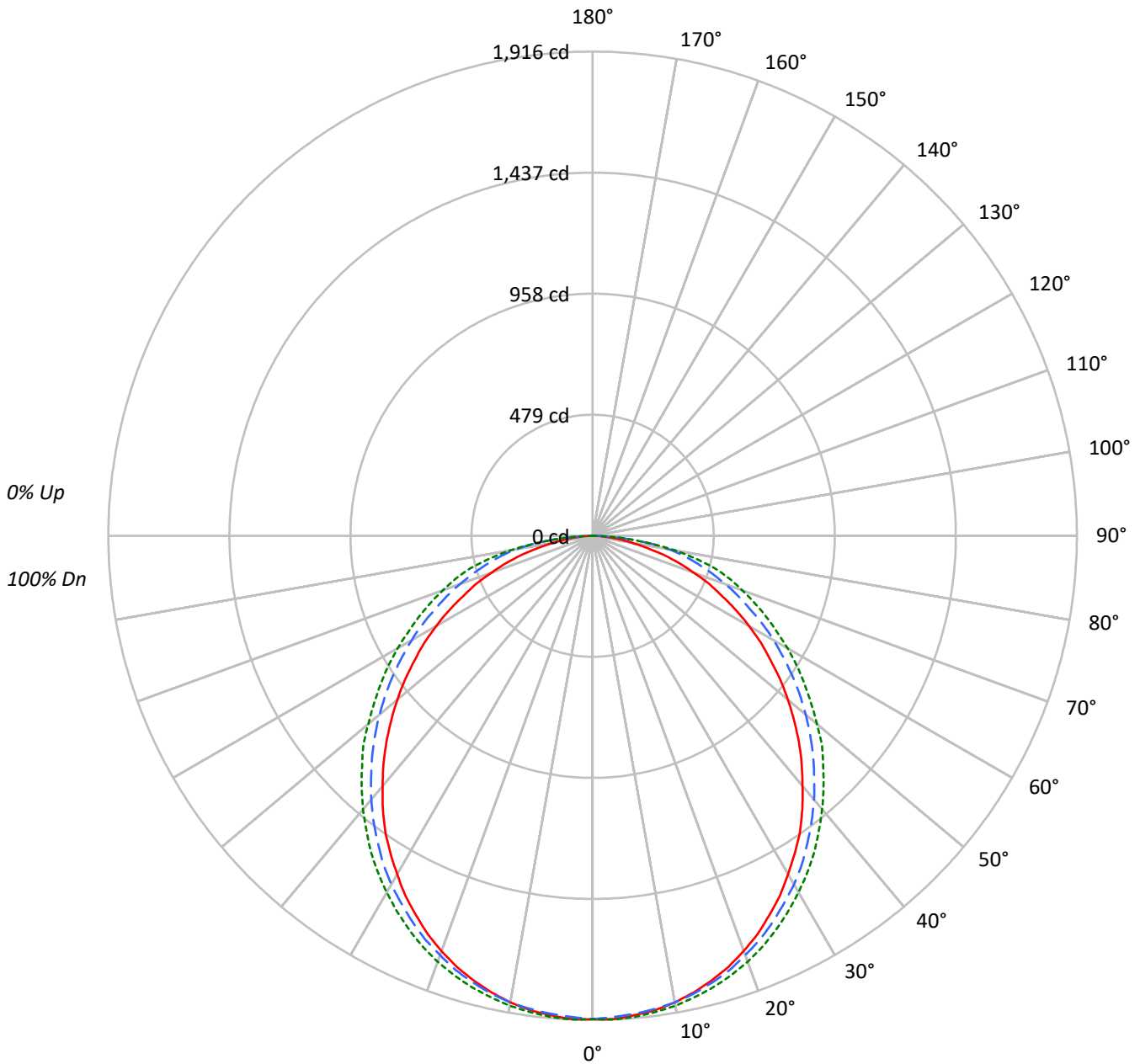
Lumens per Lamp: N/A
Luminaire Lumens: 5445.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 42
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°	2700	2700	2700
5°	2698	2690	2708
10°	2687	2687	2707
15°	2661	2674	2702
20°	2626	2652	2694
25°	2578	2626	2677
30°	2520	2596	2655
35°	2464	2554	2634
40°	2380	2511	2603
45°	2303	2461	2575
50°	2214	2415	2544
55°	2115	2371	2520
60°	2016	2334	2514
65°	1889	2293	2530
70°	1748	2305	2598
75°	1566	2349	2744
80°	1265	2488	2685
85°	952	2183	2129



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.1	3.3
10°-20°	517.4	9.5
20°-30°	777.8	14.3
30°-40°	926.5	17.0
40°-50°	948.3	17.4
50°-60°	853.7	15.7
60°-70°	670.4	12.3
70°-80°	435.1	8.0
80°-90°	134.6	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°	1476.4	27.1
0°-40°	2402.9	44.1
0°-60°	4204.9	77.2
0°-90°	5445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5445.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1913	1913	1913	1913	1913	
5°	1904	1908	1899	1909	1911	181
15°	1821	1826	1830	1845	1849	514
25°	1655	1669	1686	1714	1719	762
35°	1430	1448	1482	1518	1529	892
45°	1154	1181	1233	1280	1290	889
55°	860	898	963	1014	1024	771
65°	566	609	687	744	758	563
75°	287	342	431	490	503	304
85°	59	109	135	132	132	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1913.0	1913.0	1913.0	1913.0	1913.0
2.5°	1914.6	1914.6	1905.9	1914.6	1916.3
5°	1904.2	1907.7	1899.0	1909.4	1911.1
7.5°	1893.8	1893.8	1888.6	1899.0	1900.9
10°	1874.8	1876.5	1874.8	1886.9	1888.6
12.5°	1850.6	1854.0	1855.9	1867.9	1869.6
15°	1821.3	1826.5	1829.8	1845.4	1849.0
17.5°	1788.3	1793.5	1802.1	1819.4	1822.9
20°	1748.5	1755.4	1765.8	1788.3	1793.5
22.5°	1705.4	1712.3	1729.6	1750.2	1759.0
25°	1655.2	1668.9	1686.2	1713.9	1719.2
27.5°	1605.0	1617.0	1639.6	1668.9	1676.0
30°	1546.2	1565.2	1592.9	1622.3	1629.1
32.5°	1489.1	1508.1	1541.0	1572.2	1580.8
35°	1430.3	1447.6	1482.2	1518.5	1528.9
37.5°	1362.8	1385.3	1423.5	1459.7	1470.1
40°	1292.0	1319.7	1362.8	1401.0	1413.0
42.5°	1224.5	1253.8	1297.2	1338.7	1352.4
45°	1153.6	1181.3	1233.2	1279.9	1290.3
47.5°	1080.9	1112.1	1167.4	1214.0	1231.3
50°	1008.4	1041.3	1100.1	1148.4	1158.8
52.5°	935.6	970.2	1032.5	1084.4	1089.6
55°	859.6	897.7	963.4	1013.6	1024.0
57.5°	790.4	823.3	894.2	946.1	958.1
60°	714.3	750.6	826.7	875.2	890.6
62.5°	641.6	679.7	759.3	807.7	821.4
65°	565.6	608.9	686.6	743.7	757.5
67.5°	499.9	541.4	624.3	679.7	693.5
70°	423.6	470.5	558.7	615.8	629.5
72.5°	358.0	406.3	494.7	549.9	570.8
75°	287.2	342.4	430.7	489.5	503.2
77.5°	218.0	281.9	371.8	416.8	416.8
80°	155.7	223.2	306.1	327.0	330.3
82.5°	102.1	167.7	226.5	224.8	224.8
85°	58.8	109.0	134.8	131.5	131.5
87.5°	22.5	45.0	48.3	48.3	46.7
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)