

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: P732387

Luminaire Tested: **24CZ2-65HE-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732387
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: 24CZ2-65HE-B2750-W2D-3000K
Description: 2X4 6500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Summary

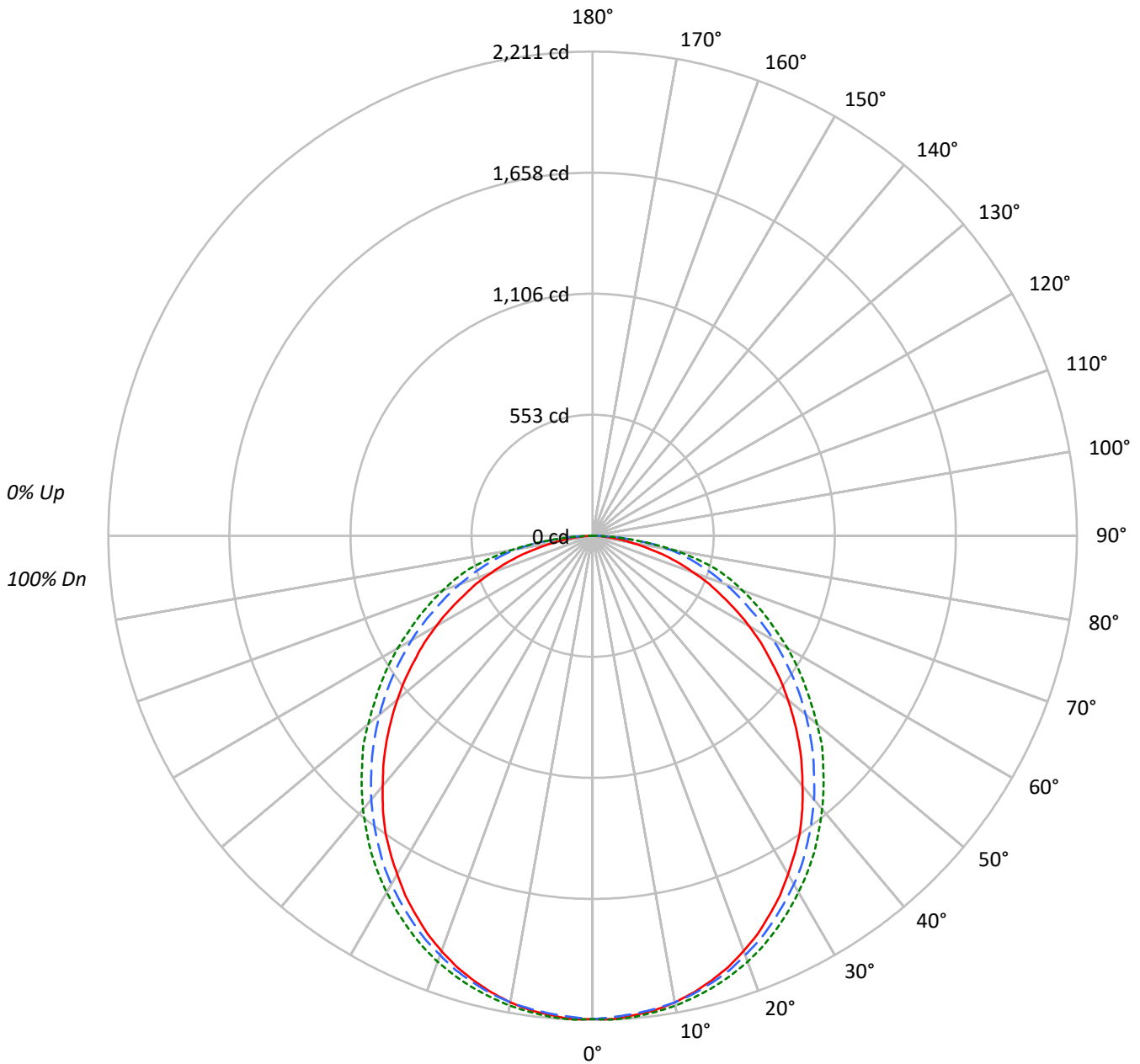
Lumens per Lamp: N/A
Luminaire Lumens: 6283.0 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 50
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

TEST NUMBER: P732387

CATALOG NUMBER: 24CZ2-65HE-B2750-W2D-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P732387

CATALOG NUMBER: 24CZ2-65HE-B2750-W2D-3000K

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°	3115	3115	3115
5°	3113	3104	3124
10°	3100	3100	3123
15°	3071	3085	3117
20°	3030	3060	3108
25°	2974	3030	3089
30°	2908	2995	3064
35°	2844	2947	3040
40°	2747	2897	3004
45°	2657	2840	2972
50°	2555	2787	2936
55°	2441	2735	2907
60°	2327	2693	2901
65°	2179	2646	2919
70°	2017	2660	2997
75°	1807	2710	3167
80°	1460	2871	3097
85°	1098	2520	2457



TEST NUMBER: P732387

CATALOG NUMBER: 24CZ2-65HE-B2750-W2D-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.0	3.3
10°-20°	597.1	9.5
20°-30°	897.5	14.3
30°-40°	1069.1	17.0
40°-50°	1094.2	17.4
50°-60°	985.1	15.7
60°-70°	773.6	12.3
70°-80°	502.1	8.0
80°-90°	155.3	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°	1703.6	27.1
0°-40°	2772.7	44.1
0°-60°	4852.0	77.2
0°-90°	6283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6283.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2207	2207	2207	2207	2207	
5°	2197	2201	2191	2203	2205	209
15°	2102	2108	2111	2130	2134	593
25°	1910	1926	1946	1978	1984	880
35°	1650	1670	1710	1752	1764	1030
45°	1331	1363	1423	1477	1489	1026
55°	992	1036	1112	1170	1182	889
65°	653	703	792	858	874	650
75°	331	395	497	565	581	351
85°	68	126	156	152	152	82
90°	0	0	0	0	0	



TEST NUMBER: P732387

CATALOG NUMBER: 24CZ2-65HE-B2750-W2D-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2207.4	2207.4	2207.4	2207.4	2207.4
2.5°	2209.3	2209.3	2199.2	2209.3	2211.2
5°	2197.3	2201.4	2191.3	2203.3	2205.2
7.5°	2185.2	2185.2	2179.2	2191.3	2193.4
10°	2163.4	2165.3	2163.4	2177.3	2179.2
12.5°	2135.5	2139.3	2141.5	2155.4	2157.3
15°	2101.6	2107.6	2111.4	2129.5	2133.5
17.5°	2063.6	2069.6	2079.4	2099.4	2103.5
20°	2017.6	2025.6	2037.6	2063.6	2069.6
22.5°	1967.9	1975.8	1995.8	2019.6	2029.7
25°	1909.9	1925.8	1945.7	1977.7	1983.7
27.5°	1852.0	1865.9	1891.9	1925.8	1934.0
30°	1784.2	1806.0	1838.0	1871.9	1879.9
32.5°	1718.3	1740.2	1778.2	1814.2	1824.1
35°	1650.5	1670.4	1710.3	1752.2	1764.2
37.5°	1572.6	1598.5	1642.5	1684.4	1696.4
40°	1490.8	1522.8	1572.6	1616.6	1630.5
42.5°	1412.9	1446.8	1496.8	1544.7	1560.5
45°	1331.1	1363.1	1423.0	1476.9	1488.9
47.5°	1247.2	1283.3	1347.0	1400.9	1420.8
50°	1163.6	1201.5	1269.4	1325.1	1337.2
52.5°	1079.6	1119.6	1191.4	1251.3	1257.3
55°	991.9	1035.9	1111.6	1169.6	1181.6
57.5°	912.0	950.0	1031.8	1091.7	1105.6
60°	824.3	866.1	953.9	1009.9	1027.7
62.5°	740.4	784.4	876.2	932.0	947.9
65°	652.6	702.6	792.3	858.2	874.0
67.5°	576.8	624.7	720.4	784.4	800.2
70°	488.8	542.9	644.7	710.5	726.4
72.5°	413.1	468.9	570.8	634.6	658.6
75°	331.3	395.1	497.0	564.8	580.7
77.5°	251.5	325.3	429.0	480.9	480.9
80°	179.6	257.5	353.2	377.3	381.1
82.5°	117.8	193.6	261.4	259.4	259.4
85°	67.8	125.8	155.6	151.7	151.7
87.5°	26.0	51.9	55.8	55.8	53.9
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)