

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: P732402

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732402
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-S-B2750-W2D-3000K
Description: 2X4 6500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

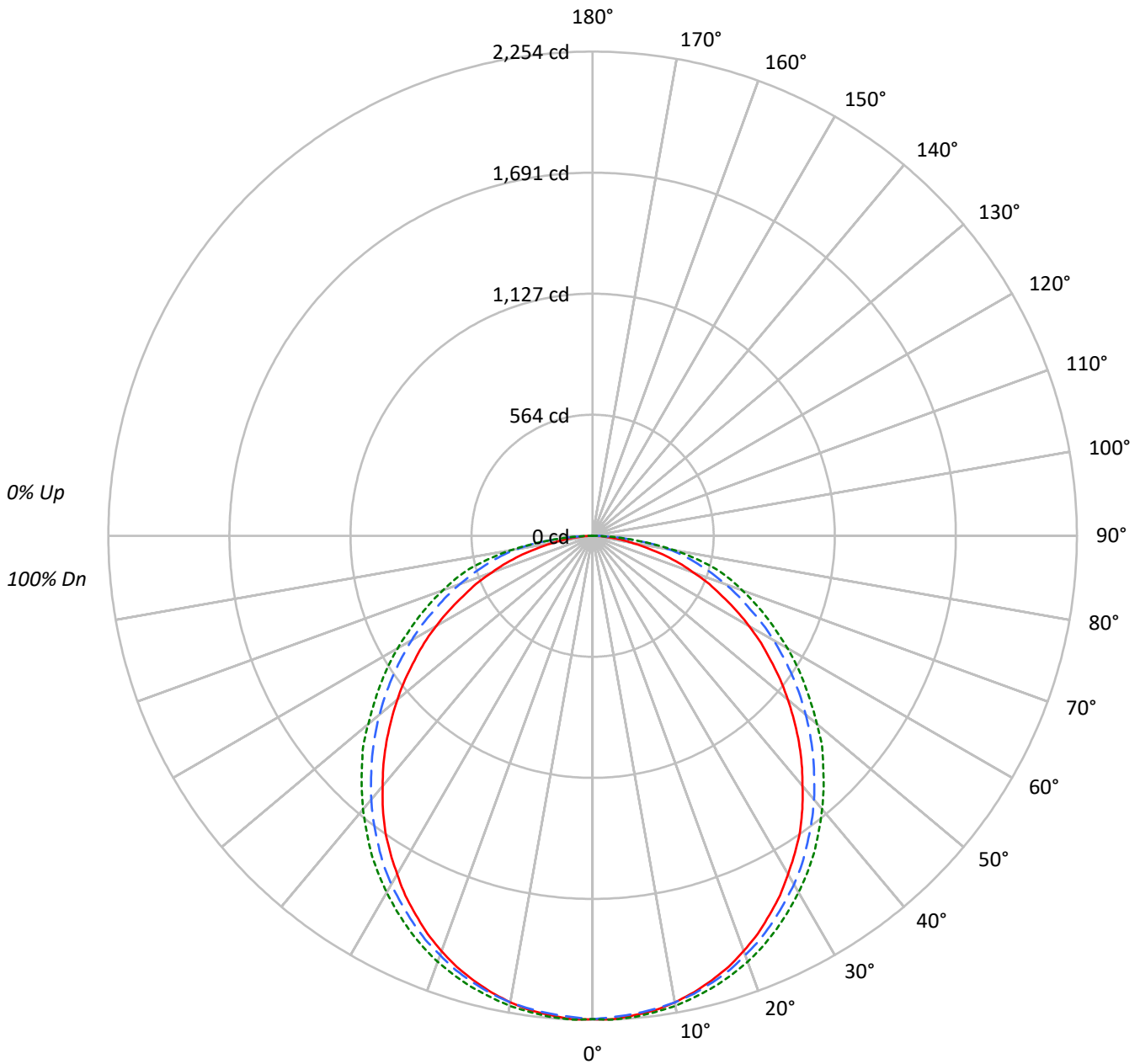
Lumens per Lamp: N/A
Luminaire Lumens: 6406.0 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 50
Input Voltage (V): NR
Input Current (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°	3176	3176	3176
5°	3174	3165	3185
10°	3161	3161	3184
15°	3131	3146	3178
20°	3090	3120	3169
25°	3032	3089	3150
30°	2965	3054	3124
35°	2899	3004	3099
40°	2800	2954	3063
45°	2709	2896	3030
50°	2605	2842	2993
55°	2488	2789	2964
60°	2372	2745	2958
65°	2222	2698	2976
70°	2057	2712	3056
75°	1842	2763	3229
80°	1488	2927	3158
85°	1119	2568	2505



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.0	3.3
10°-20°	608.8	9.5
20°-30°	915.1	14.3
30°-40°	1090.0	17.0
40°-50°	1115.6	17.4
50°-60°	1004.4	15.7
60°-70°	788.8	12.3
70°-80°	511.9	8.0
80°-90°	158.3	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°	1736.9	27.1
0°-40°	2827.0	44.1
0°-60°	4947.0	77.2
0°-90°	6406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6406.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2251	2251	2251	2251	2251	
5°	2240	2244	2234	2246	2248	213
15°	2143	2149	2153	2171	2175	604
25°	1947	1964	1984	2016	2023	897
35°	1683	1703	1744	1786	1799	1050
45°	1357	1390	1451	1506	1518	1046
55°	1011	1056	1133	1192	1205	907
65°	665	716	808	875	891	662
75°	338	403	507	576	592	357
85°	69	128	159	155	155	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2250.6	2250.6	2250.6	2250.6	2250.6
2.5°	2252.5	2252.5	2242.2	2252.5	2254.5
5°	2240.3	2244.4	2234.1	2246.4	2248.4
7.5°	2228.0	2228.0	2221.9	2234.1	2236.4
10°	2205.7	2207.7	2205.7	2219.9	2221.9
12.5°	2177.3	2181.2	2183.4	2197.6	2199.6
15°	2142.7	2148.8	2152.8	2171.1	2175.3
17.5°	2104.0	2110.1	2120.1	2140.5	2144.7
20°	2057.1	2065.2	2077.5	2104.0	2110.1
22.5°	2006.4	2014.5	2034.8	2059.1	2069.4
25°	1947.3	1963.5	1983.8	2016.4	2022.6
27.5°	1888.2	1902.4	1928.9	1963.5	1971.8
30°	1819.1	1841.4	1874.0	1908.6	1916.7
32.5°	1751.9	1774.2	1813.0	1849.7	1859.8
35°	1682.8	1703.1	1743.8	1786.5	1798.7
37.5°	1603.4	1629.8	1674.7	1717.4	1729.6
40°	1520.0	1552.6	1603.4	1648.2	1662.4
42.5°	1440.6	1475.1	1526.1	1574.9	1591.1
45°	1357.2	1389.8	1450.9	1505.8	1518.0
47.5°	1271.6	1308.4	1373.4	1428.3	1448.7
50°	1186.3	1225.1	1294.2	1351.1	1363.3
52.5°	1100.8	1141.5	1214.8	1275.8	1281.9
55°	1011.3	1056.2	1133.4	1192.5	1204.7
57.5°	929.9	968.6	1052.0	1113.0	1127.2
60°	840.4	883.1	972.6	1029.7	1047.8
62.5°	754.8	799.7	893.4	950.2	966.4
65°	665.4	716.4	807.8	875.0	891.2
67.5°	588.1	636.9	734.5	799.7	815.9
70°	498.4	553.6	657.3	724.4	740.6
72.5°	421.2	478.1	582.0	647.0	671.5
75°	337.8	402.8	506.7	575.9	592.1
77.5°	256.4	331.7	437.4	490.3	490.3
80°	183.1	262.6	360.1	384.7	388.6
82.5°	120.1	197.4	266.5	264.5	264.5
85°	69.1	128.2	158.6	154.7	154.7
87.5°	26.5	53.0	56.9	56.9	54.9
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)