

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: P731956

Luminaire Tested: **22CZ2-20HE-SQR-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387672)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-20HE-SQR-B2750-W2D-2700K
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

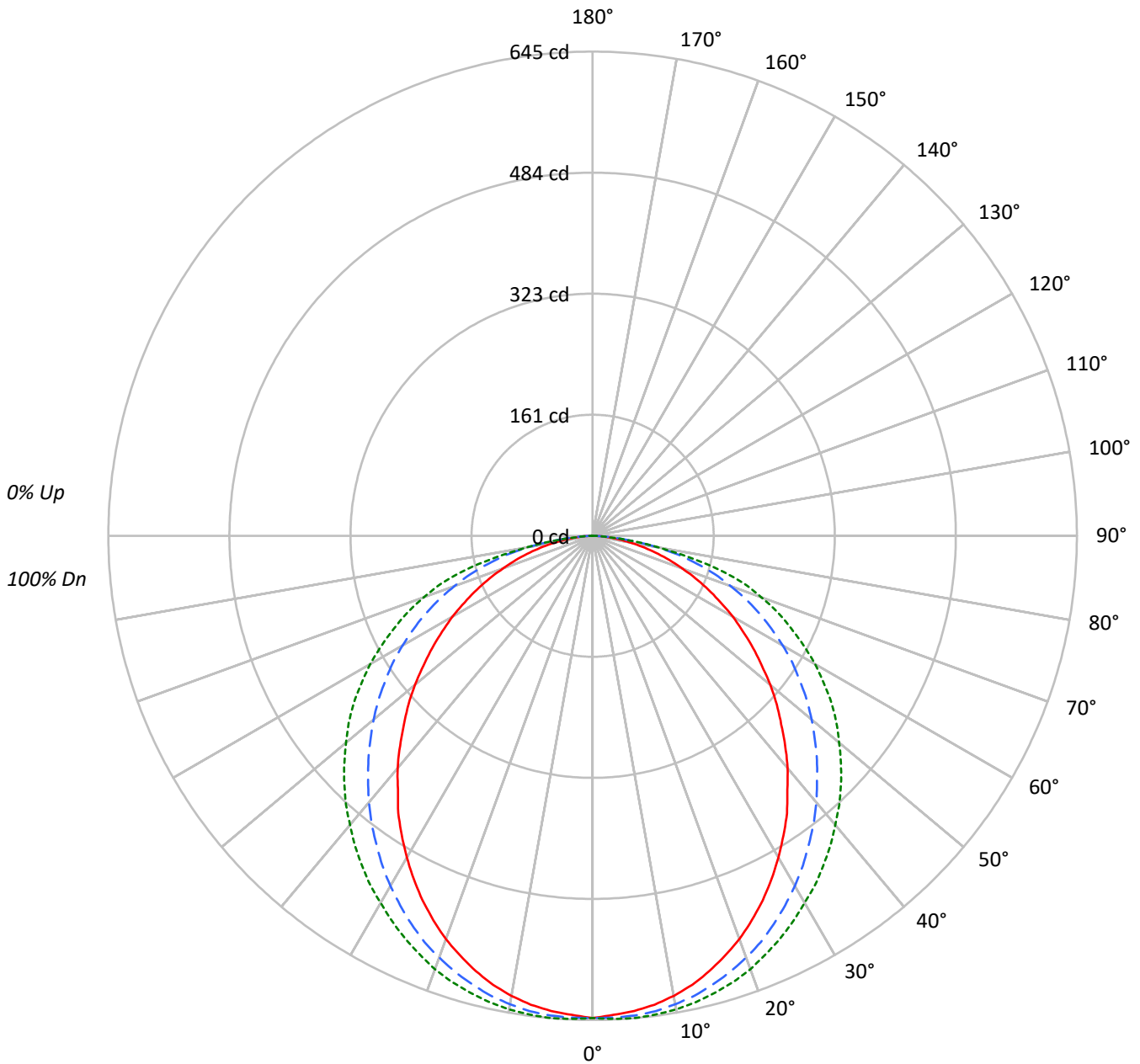
Lumens per Lamp: N/A
Luminaire Lumens: 1839.0 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.31 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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					20					
RC	80					70					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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83								
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69								
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58								
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49								
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43								
6	70	56	47	41	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°	1823	1823	1823
5°	1810	1827	1837
10°	1793	1826	1846
15°	1764	1818	1851
20°	1726	1805	1855
25°	1678	1787	1853
30°	1622	1765	1850
35°	1563	1739	1856
40°	1497	1717	1862
45°	1426	1695	1877
50°	1364	1680	1892
55°	1291	1667	1921
60°	1224	1659	1941
65°	1143	1647	1957
70°	1050	1622	1984
75°	948	1580	1914
80°	814	1397	1441
85°	654	827	654



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	3.3
10°-20°	174.1	9.5
20°-30°	261.5	14.2
30°-40°	311.9	17.0
40°-50°	322.5	17.5
50°-60°	296.5	16.1
60°-70°	236.0	12.8
70°-80°	144.2	7.8
80°-90°	31.4	1.7
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°	496.5	27.0
0°-40°	808.4	44.0
0°-60°	1427.4	77.6
0°-90°	1839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	642	642	642	642	642	
5°	635	637	642	644	645	60
15°	600	607	619	628	630	169
25°	536	549	571	586	592	247
35°	451	470	502	528	536	282
45°	355	380	422	456	468	275
55°	261	290	337	375	388	233
65°	170	199	245	279	292	169
75°	86	112	144	169	175	92
85°	20	24	25	22	20	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	642.4	642.4	642.4	642.4	642.4
2.5°	638.9	639.8	642.4	644.1	644.1
5°	635.4	637.1	641.5	644.1	645.0
7.5°	630.1	632.8	638.9	642.4	643.3
10°	622.3	625.8	633.6	638.9	640.6
12.5°	612.7	617.9	627.6	634.6	636.3
15°	600.5	607.4	618.8	627.6	630.1
17.5°	586.5	595.2	609.2	619.7	623.2
20°	571.7	580.4	597.9	610.1	614.4
22.5°	554.3	565.5	585.7	599.6	603.1
25°	535.9	549.0	570.8	586.5	591.7
27.5°	515.9	531.6	555.1	574.3	578.7
30°	494.9	511.4	538.6	559.5	564.7
32.5°	473.0	492.2	521.1	544.6	551.6
35°	451.3	470.5	501.9	528.1	535.9
37.5°	425.9	448.6	483.5	510.6	520.2
40°	404.1	425.9	463.5	493.2	502.7
42.5°	379.7	403.2	442.5	474.8	486.2
45°	355.3	380.5	422.4	456.5	467.8
47.5°	332.6	357.8	401.5	437.3	448.6
50°	309.0	335.1	380.5	417.2	428.6
52.5°	283.7	312.4	359.6	396.2	409.4
55°	261.0	289.8	336.9	375.3	388.4
57.5°	237.4	267.1	315.9	352.6	364.8
60°	215.6	244.4	292.4	328.2	342.1
62.5°	192.0	221.7	268.8	303.7	316.9
65°	170.2	199.0	245.3	279.3	291.5
67.5°	148.4	177.2	220.9	253.1	267.1
70°	126.6	155.4	195.5	226.9	239.1
72.5°	107.4	132.7	171.1	199.9	211.2
75°	86.5	111.7	144.1	169.3	174.6
77.5°	67.3	90.0	117.0	128.4	130.1
80°	49.8	67.3	85.5	88.2	88.2
82.5°	33.2	46.3	53.3	54.1	53.3
85°	20.1	24.4	25.4	21.9	20.1
87.5°	7.0	7.0	4.4	2.7	0.9
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)