

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: P731981

Luminaire Tested: **22CZ2-24HE-SQR-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731981
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: 22CZ2-24HE-SQR-B2750-W2D-2700K
Description: 2X2 2400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SQR LENS

Light Source: -
Ballast/Driver: -

Summary

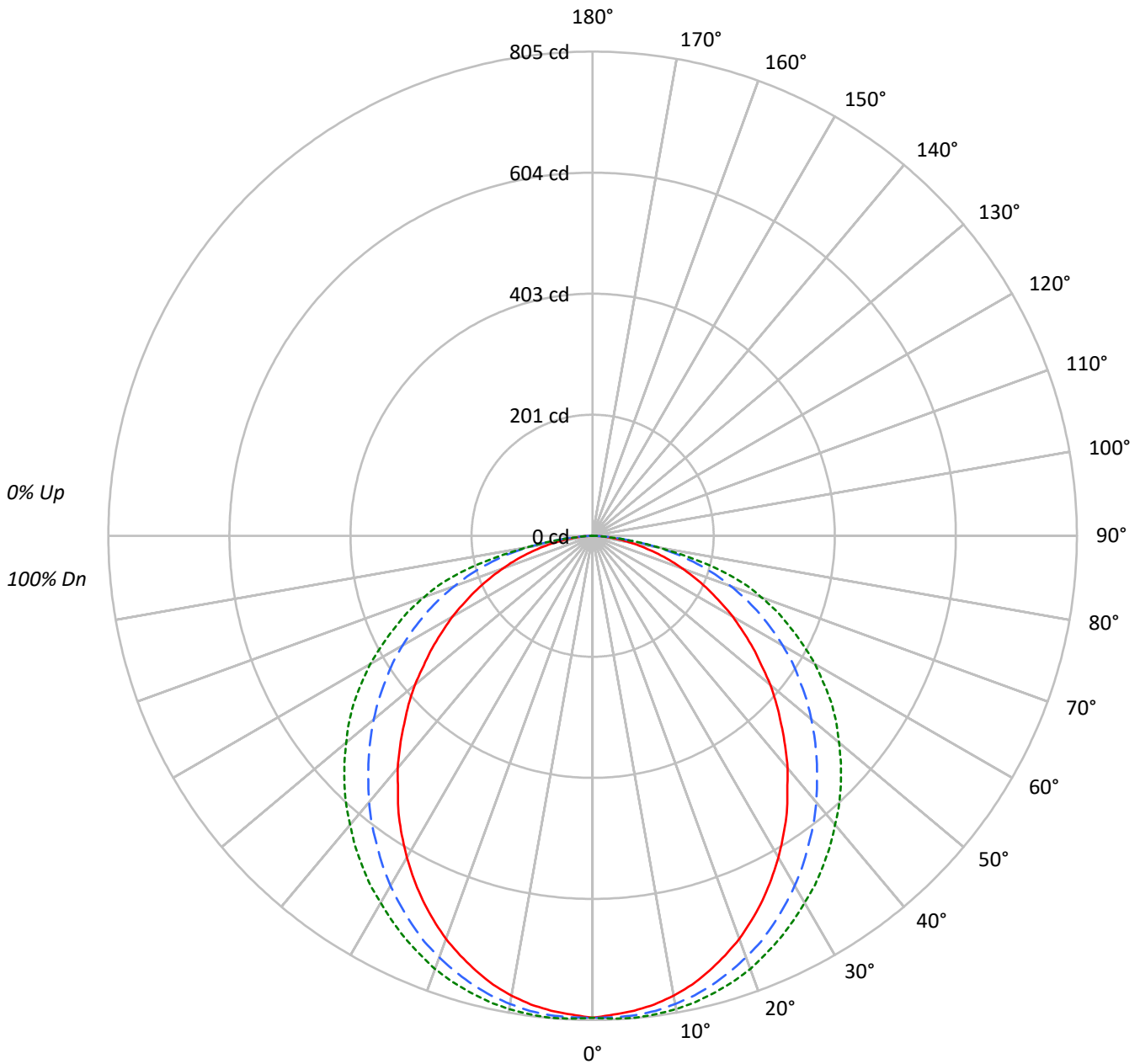
Lumens per Lamp: N/A
Luminaire Lumens: 2294.0 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.31 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 20
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				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				100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83				83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58				58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49				49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43				43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37				37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33				33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29				29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26				26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2274	2274	2274
5°	2258	2280	2292
10°	2237	2277	2302
15°	2200	2268	2309
20°	2154	2252	2314
25°	2093	2229	2311
30°	2023	2201	2308
35°	1950	2169	2316
40°	1867	2142	2323
45°	1779	2114	2342
50°	1701	2096	2360
55°	1611	2079	2397
60°	1527	2070	2422
65°	1426	2055	2441
70°	1310	2023	2475
75°	1183	1970	2387
80°	1015	1744	1797
85°	817	1029	817



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	3.3
10°-20°	217.2	9.5
20°-30°	326.2	14.2
30°-40°	389.1	17.0
40°-50°	402.3	17.5
50°-60°	369.8	16.1
60°-70°	294.4	12.8
70°-80°	179.9	7.8
80°-90°	39.1	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°	619.4	27.0
0°-40°	1008.5	44.0
0°-60°	1780.5	77.6
0°-90°	2294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2294.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	793	795	800	804	805	75
15°	749	758	772	783	786	211
25°	668	685	712	732	738	308
35°	563	587	626	659	668	351
45°	443	475	527	570	584	343
55°	326	361	420	468	484	291
65°	212	248	306	348	364	210
75°	108	139	180	211	218	115
85°	25	30	32	27	25	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	801.3	801.3	801.3	801.3	801.3
2.5°	796.9	798.1	801.3	803.5	803.5
5°	792.6	794.7	800.3	803.5	804.6
7.5°	786.0	789.4	796.9	801.3	802.4
10°	776.3	780.7	790.4	796.9	799.1
12.5°	764.3	770.8	782.8	791.6	793.7
15°	749.0	757.7	772.0	782.8	786.0
17.5°	731.6	742.5	759.9	773.0	777.3
20°	713.2	724.1	745.8	761.1	766.4
22.5°	691.4	705.5	730.6	748.0	752.4
25°	668.5	684.9	712.0	731.6	738.1
27.5°	643.5	663.1	692.4	716.4	721.9
30°	617.4	638.0	671.8	697.9	704.5
32.5°	590.1	614.0	650.0	679.3	688.1
35°	562.9	586.9	626.1	658.7	668.5
37.5°	531.3	559.6	603.1	637.0	648.9
40°	504.1	531.3	578.2	615.2	627.1
42.5°	473.7	503.0	552.0	592.3	606.5
45°	443.2	474.7	526.9	569.5	583.5
47.5°	414.9	446.4	500.8	545.5	559.6
50°	385.4	418.1	474.7	520.4	534.6
52.5°	353.9	389.8	448.5	494.3	510.7
55°	325.6	361.4	420.2	468.1	484.5
57.5°	296.1	333.1	394.1	439.8	455.1
60°	269.0	304.8	364.8	409.4	426.8
62.5°	239.5	276.5	335.3	378.9	395.3
65°	212.4	248.2	306.0	348.4	363.6
67.5°	185.1	221.1	275.5	315.7	333.1
70°	157.9	193.8	243.9	283.1	298.3
72.5°	134.0	165.5	213.4	249.4	263.5
75°	107.9	139.4	179.7	211.2	217.7
77.5°	83.9	112.2	145.9	160.1	162.3
80°	62.1	83.9	106.7	110.0	110.0
82.5°	41.4	57.8	66.5	67.5	66.5
85°	25.1	30.5	31.6	27.3	25.1
87.5°	8.7	8.7	5.5	3.3	1.2
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)