

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: P880626

Luminaire Tested: **22CZ2-20VHE-B2750-W2D-5000K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P880626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474795)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-20VHE-B2750-W2D-5000K
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 5000K CCT AND RIBBED LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

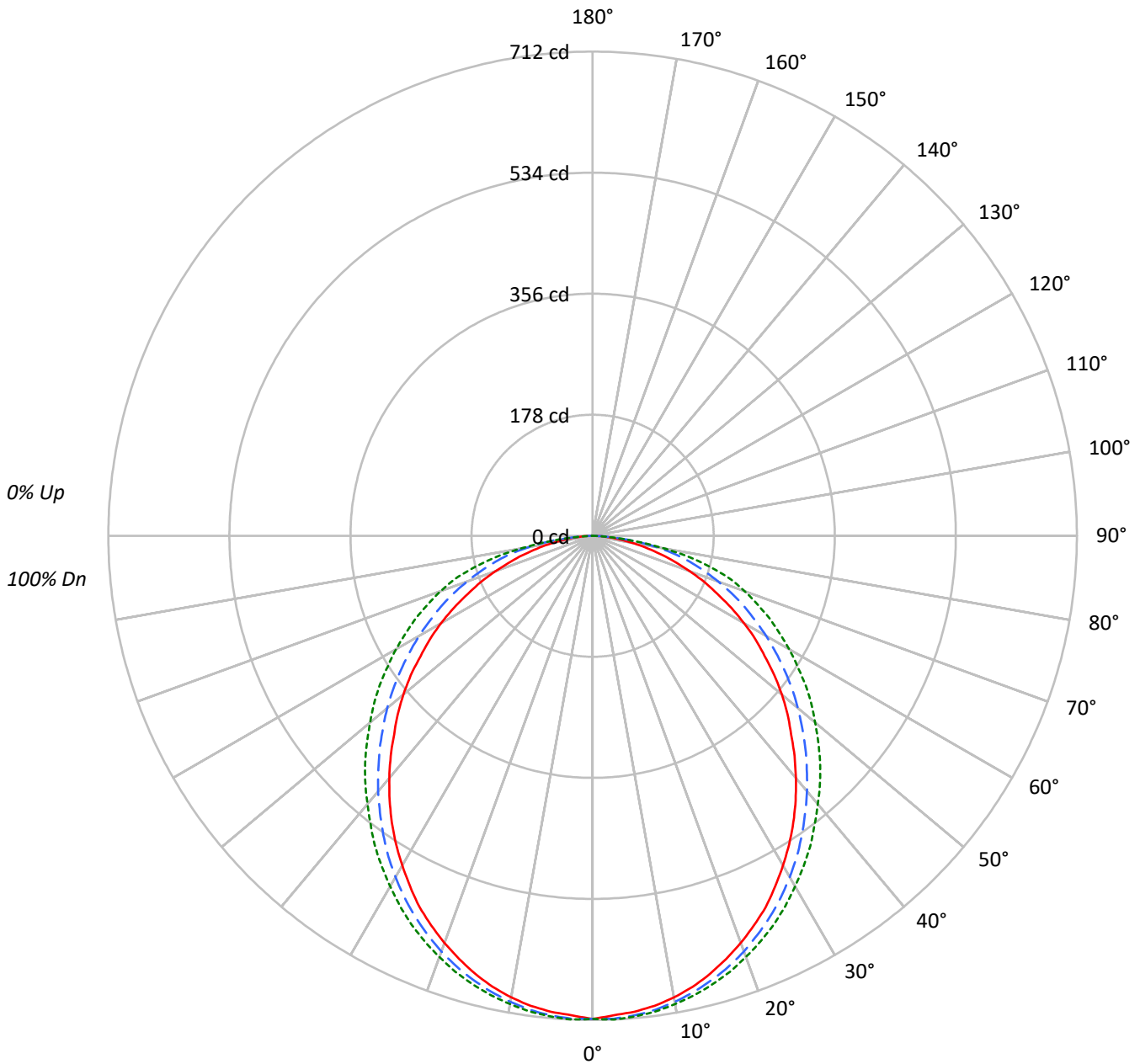
Lumens per Lamp: N/A
Luminaire Lumens: 1959.0 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.25 / 1.33
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16
Input Voltage (V): NR
Input Current (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: P880626

CATALOG NUMBER: 22CZ2-20VHE-B2750-W2D-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P880626

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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	77	85	79	75	81	77	73	78	75	71	69				69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58				58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50				50
5	76	63	54	47	73	62	53	47	59	52	46	57	51	46	56	50	45	43				43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38				38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33				33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30				30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27				27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2016	2016	2016
5°	2001	2017	2021
10°	1986	2005	2015
15°	1959	1987	2006
20°	1924	1964	1990
25°	1886	1934	1974
30°	1834	1899	1951
35°	1783	1859	1932
40°	1722	1817	1908
45°	1657	1776	1899
50°	1603	1740	1884
55°	1528	1702	1888
60°	1459	1672	1894
65°	1356	1651	1924
70°	1254	1628	1971
75°	1122	1620	1983
80°	940	1536	1732
85°	729	1052	983



TEST NUMBER: P880626

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	3.4
10°-20°	190.5	9.7
20°-30°	284.1	14.5
30°-40°	335.4	17.1
40°-50°	341.8	17.4
50°-60°	308.2	15.7
60°-70°	242.3	12.4
70°-80°	151.7	7.7
80°-90°	37.8	1.9
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°	541.8	27.7
0°-40°	877.1	44.8
0°-60°	1527.2	78.0
0°-90°	1959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1959.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	710	710	710	710	710	
5°	703	704	708	710	710	67
15°	667	670	676	681	683	188
25°	602	607	618	627	631	277
35°	515	521	537	551	558	322
45°	413	422	443	464	473	319
55°	309	318	344	370	382	277
65°	202	214	246	273	286	201
75°	102	118	148	174	181	109
85°	22	29	32	32	30	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	710.5	710.5	710.5	710.5	710.5
2.5°	705.8	707.6	710.9	712.1	712.1
5°	702.6	704.2	708.0	709.6	709.6
7.5°	697.2	698.8	703.4	705.5	705.8
10°	689.3	691.4	695.9	699.3	699.3
12.5°	679.4	681.4	687.2	691.4	691.8
15°	667.0	669.9	676.5	681.4	682.7
17.5°	652.5	657.0	664.4	670.7	672.0
20°	637.1	641.7	650.4	657.4	659.1
22.5°	620.1	624.3	634.6	643.4	645.4
25°	602.4	606.9	617.7	627.2	630.6
27.5°	581.3	586.7	599.5	610.2	613.6
30°	559.7	566.4	579.6	591.6	595.3
32.5°	537.8	544.0	558.9	571.7	576.7
35°	514.6	521.2	536.6	551.4	557.7
37.5°	490.2	496.8	513.4	530.3	536.1
40°	465.0	472.8	490.6	508.8	515.1
42.5°	439.3	447.5	466.1	486.5	494.7
45°	412.8	421.8	442.6	464.1	473.2
47.5°	388.7	396.2	417.8	441.3	450.0
50°	363.1	370.1	394.1	417.8	426.8
52.5°	337.0	343.7	369.3	394.1	405.3
55°	308.8	318.4	344.0	370.5	381.7
57.5°	284.0	292.7	319.2	346.1	356.9
60°	257.1	266.2	294.7	322.1	333.7
62.5°	230.2	240.1	269.1	298.5	309.3
65°	202.0	214.4	245.9	273.2	286.5
67.5°	178.1	190.0	221.1	249.7	261.2
70°	151.1	165.2	196.2	225.2	237.6
72.5°	125.8	139.9	171.8	200.8	213.2
75°	102.3	117.5	147.8	174.3	180.9
77.5°	79.5	94.0	124.2	139.5	146.6
80°	57.5	71.6	94.0	104.3	106.0
82.5°	38.9	51.0	63.8	66.7	65.0
85°	22.4	28.6	32.3	32.3	30.2
87.5°	9.1	9.1	7.9	4.9	2.9
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)