

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: P880753

Luminaire Tested: **22CZ2-44VHE-HRP-B2750-W2D-3000K**

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: P880753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P475114)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-44VHE-HRP-B2750-W2D-3000K
Description: 2X2 4400 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

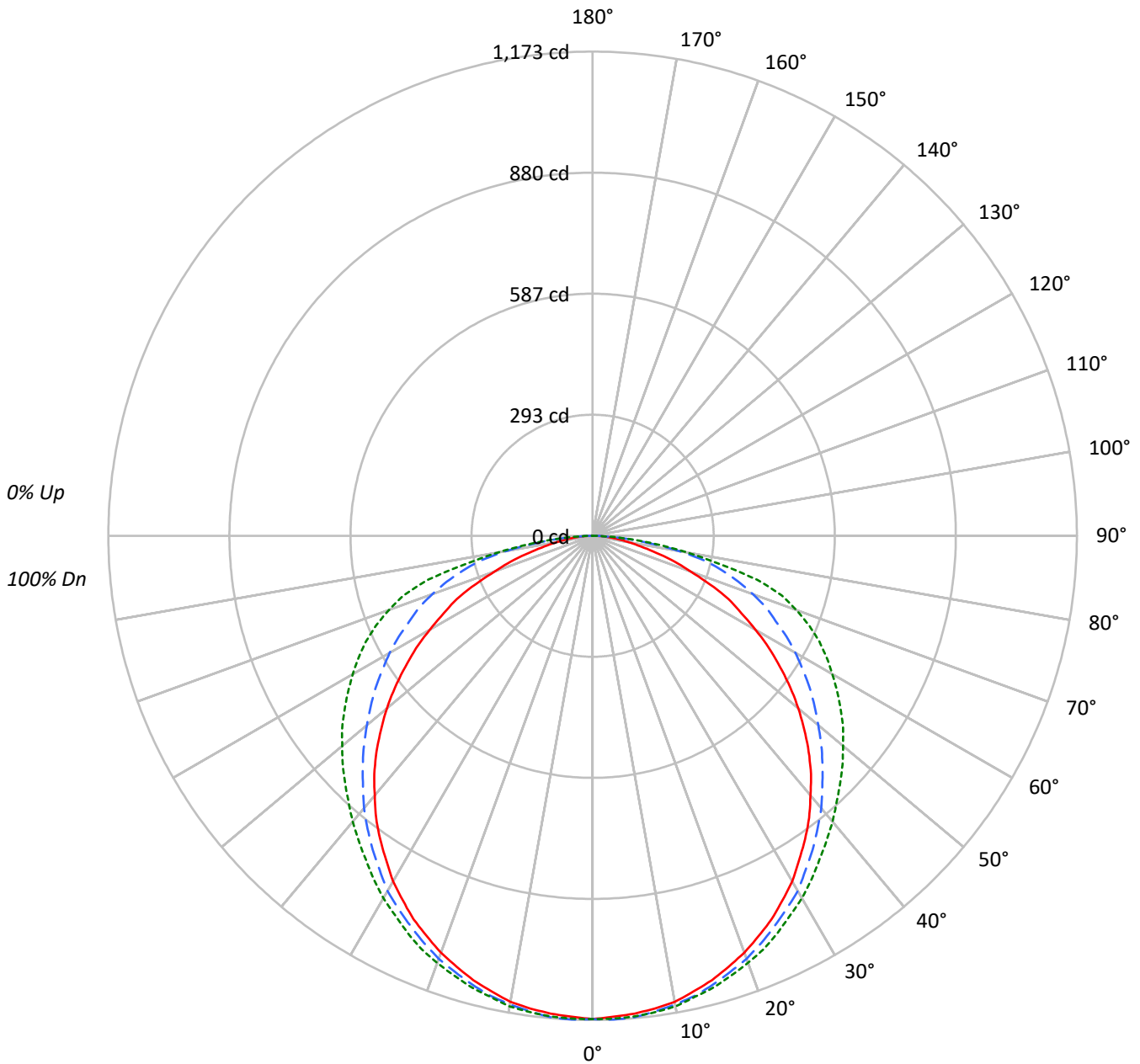
Lumens per Lamp: N/A
Luminaire Lumens: 3556.0 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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

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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	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	87	84	82								
2	98	89	82	76	95	87	80	75	84	78	73	80	75	71	77	73	70	68								
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56								
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48								
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41								
6	69	55	46	39	67	54	45	39	52	44	39	50	43	38	49	43	38	36								
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31								
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28								
9	55	42	33	28	54	41	33	27	40	32	27	39	32	27	38	31	27	25								
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3322	3322	3322
5°	3310	3335	3329
10°	3303	3322	3336
15°	3275	3308	3328
20°	3245	3292	3325
25°	3210	3266	3322
30°	3168	3256	3322
35°	3108	3217	3318
40°	3041	3191	3349
45°	2970	3160	3403
50°	2872	3149	3495
55°	2741	3174	3629
60°	2584	3220	3806
65°	2441	3283	4067
70°	2084	3425	4354
75°	1746	3567	4526
80°	1431	3446	3775
85°	1240	2552	2774



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	3.1
10°-20°	317.5	8.9
20°-30°	481.1	13.5
30°-40°	580.9	16.3
40°-50°	610.4	17.2
50°-60°	574.3	16.2
60°-70°	478.9	13.5
70°-80°	317.3	8.9
80°-90°	84.5	2.4
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°	909.6	25.6
0°-40°	1490.5	41.9
0°-60°	2675.3	75.2
0°-90°	3556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3556.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	1162	1164	1171	1171	1169	110
15°	1115	1119	1126	1131	1133	314
25°	1025	1032	1043	1057	1061	472
35°	897	906	929	949	958	561
45°	740	751	788	828	848	570
55°	554	579	642	707	734	496
65°	364	395	489	570	606	354
75°	159	222	325	393	413	173
85°	38	58	78	85	85	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1170.9	1170.9	1170.9	1170.9	1170.9
2.5°	1166.4	1168.7	1173.2	1173.2	1170.9
5°	1162.0	1164.2	1170.9	1170.9	1168.7
7.5°	1155.2	1157.7	1162.0	1166.4	1164.2
10°	1146.3	1148.5	1153.0	1157.7	1157.7
12.5°	1130.6	1132.8	1141.8	1144.2	1144.2
15°	1114.9	1119.4	1126.1	1130.6	1132.8
17.5°	1094.7	1099.2	1108.2	1117.1	1117.1
20°	1074.6	1079.0	1090.2	1099.2	1101.2
22.5°	1049.9	1056.6	1067.8	1079.0	1083.5
25°	1025.3	1032.0	1043.2	1056.6	1061.1
27.5°	995.9	1002.6	1018.5	1034.2	1036.2
30°	966.8	973.5	993.7	1007.1	1014.0
32.5°	930.9	939.9	960.0	980.2	986.9
35°	897.3	906.3	928.7	949.1	957.8
37.5°	861.4	870.2	895.1	919.9	930.9
40°	820.9	832.3	861.4	888.3	904.0
42.5°	783.0	794.2	823.3	859.2	874.9
45°	740.2	751.4	787.5	827.6	848.0
47.5°	695.4	708.8	751.4	800.9	820.9
50°	650.6	666.2	713.3	769.3	791.7
52.5°	603.3	623.7	677.5	738.2	764.8
55°	554.0	578.8	641.6	706.6	733.5
57.5°	506.9	529.5	603.3	673.0	702.1
60°	455.4	484.5	567.4	639.1	670.7
62.5°	406.1	437.4	529.5	605.7	639.1
65°	363.5	394.6	489.0	569.7	605.7
67.5°	307.2	350.0	455.4	531.6	567.4
70°	251.2	309.5	412.8	491.2	524.8
72.5°	208.6	264.7	370.2	448.6	480.0
75°	159.3	222.1	325.4	392.6	412.8
77.5°	119.0	184.0	278.1	311.9	314.0
80°	87.6	141.2	210.9	222.1	231.0
82.5°	60.7	98.6	136.9	150.1	154.9
85°	38.1	58.3	78.4	85.2	85.2
87.5°	20.2	22.4	26.9	26.9	26.9
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)