

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: P731942

Luminaire Tested: **22CZ2-20HE-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P294823)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ2-20HE-HRP-B2750-W2D-3000K
Description: 2X2 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

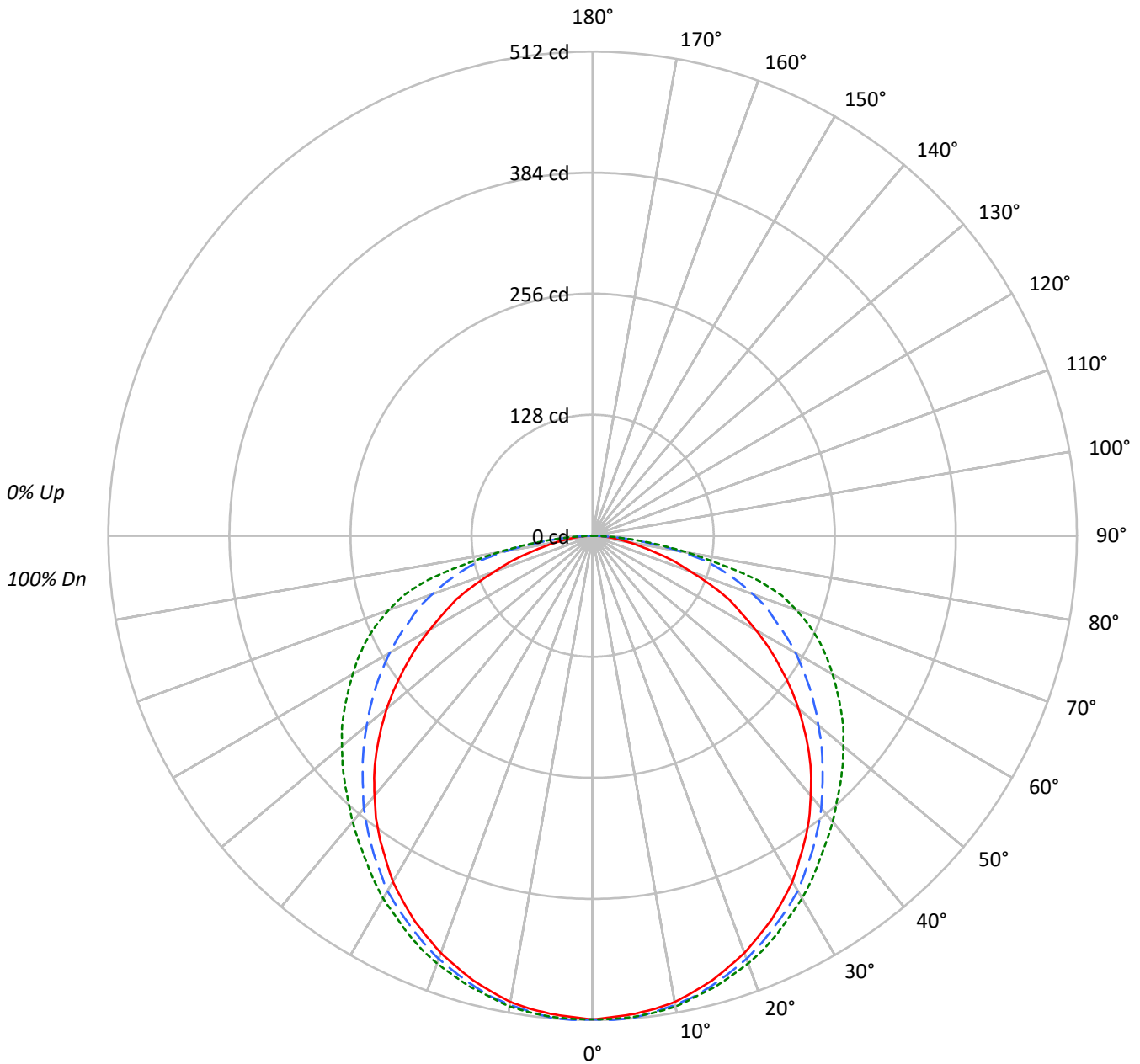
Lumens per Lamp: N/A
Luminaire Lumens: 1553.0 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 1.92' x L: 1.98' x H: 0')
CIE Type: Direct

Input Watts (W): 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									
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	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°	1451	1451	1451
5°	1446	1457	1454
10°	1442	1451	1457
15°	1430	1445	1453
20°	1417	1438	1453
25°	1402	1426	1451
30°	1384	1422	1451
35°	1357	1405	1449
40°	1328	1393	1462
45°	1297	1380	1486
50°	1254	1376	1527
55°	1197	1386	1585
60°	1129	1407	1662
65°	1066	1433	1776
70°	910	1496	1902
75°	762	1558	1977
80°	624	1505	1649
85°	544	1117	1211



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	3.1
10°-20°	138.6	8.9
20°-30°	210.1	13.5
30°-40°	253.7	16.3
40°-50°	266.6	17.2
50°-60°	250.8	16.2
60°-70°	209.1	13.5
70°-80°	138.6	8.9
80°-90°	36.9	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°	397.2	25.6
0°-40°	650.9	41.9
0°-60°	1168.4	75.2
0°-90°	1553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1553.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	511	511	511	511	511	
5°	508	508	511	511	510	48
15°	487	489	492	494	495	137
25°	448	451	456	461	463	206
35°	392	396	406	414	418	245
45°	323	328	344	362	370	249
55°	242	253	280	309	320	216
65°	159	172	214	249	264	154
75°	70	97	142	171	180	75
85°	17	26	34	37	37	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	511.4	511.4	511.4	511.4	511.4
2.5°	509.4	510.5	512.4	512.4	511.4
5°	507.5	508.4	511.4	511.4	510.5
7.5°	504.5	505.5	507.5	509.4	508.4
10°	500.6	501.5	503.6	505.5	505.5
12.5°	493.8	494.7	498.7	499.6	499.6
15°	486.9	488.8	491.8	493.8	494.7
17.5°	478.1	480.0	483.9	487.9	487.9
20°	469.3	471.2	476.1	480.0	481.1
22.5°	458.5	461.4	466.3	471.2	473.2
25°	447.7	450.6	455.6	461.4	463.3
27.5°	435.0	437.9	444.8	451.7	452.6
30°	422.3	425.1	433.9	439.9	442.9
32.5°	406.6	410.5	419.3	428.1	431.1
35°	391.8	395.7	405.6	414.4	418.3
37.5°	376.2	380.1	390.9	401.7	406.6
40°	358.6	363.5	376.2	388.0	394.8
42.5°	341.9	346.8	359.5	375.3	382.0
45°	323.3	328.1	343.8	361.5	370.3
47.5°	303.7	309.6	328.1	349.8	358.6
50°	284.1	291.0	311.6	336.0	345.9
52.5°	263.5	272.3	295.9	322.3	334.1
55°	242.0	252.8	280.2	308.6	320.4
57.5°	221.4	231.2	263.5	293.9	306.6
60°	198.9	211.6	247.9	279.2	292.9
62.5°	177.3	191.0	231.2	264.5	279.2
65°	158.8	172.4	213.5	248.9	264.5
67.5°	134.2	152.8	198.9	232.2	247.9
70°	109.7	135.2	180.3	214.6	229.2
72.5°	91.2	115.6	161.6	195.9	209.6
75°	69.5	97.0	142.1	171.4	180.3
77.5°	51.9	80.3	121.5	136.2	137.1
80°	38.2	61.8	92.1	97.0	100.9
82.5°	26.4	43.1	59.7	65.7	67.6
85°	16.7	25.5	34.3	37.2	37.2
87.5°	8.8	9.8	11.8	11.8	11.8
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)