

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: P731797

Luminaire Tested: **14CZ2-20-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275838)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-20-RDP-B2750-W2D-3000K
Description: 1X4 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

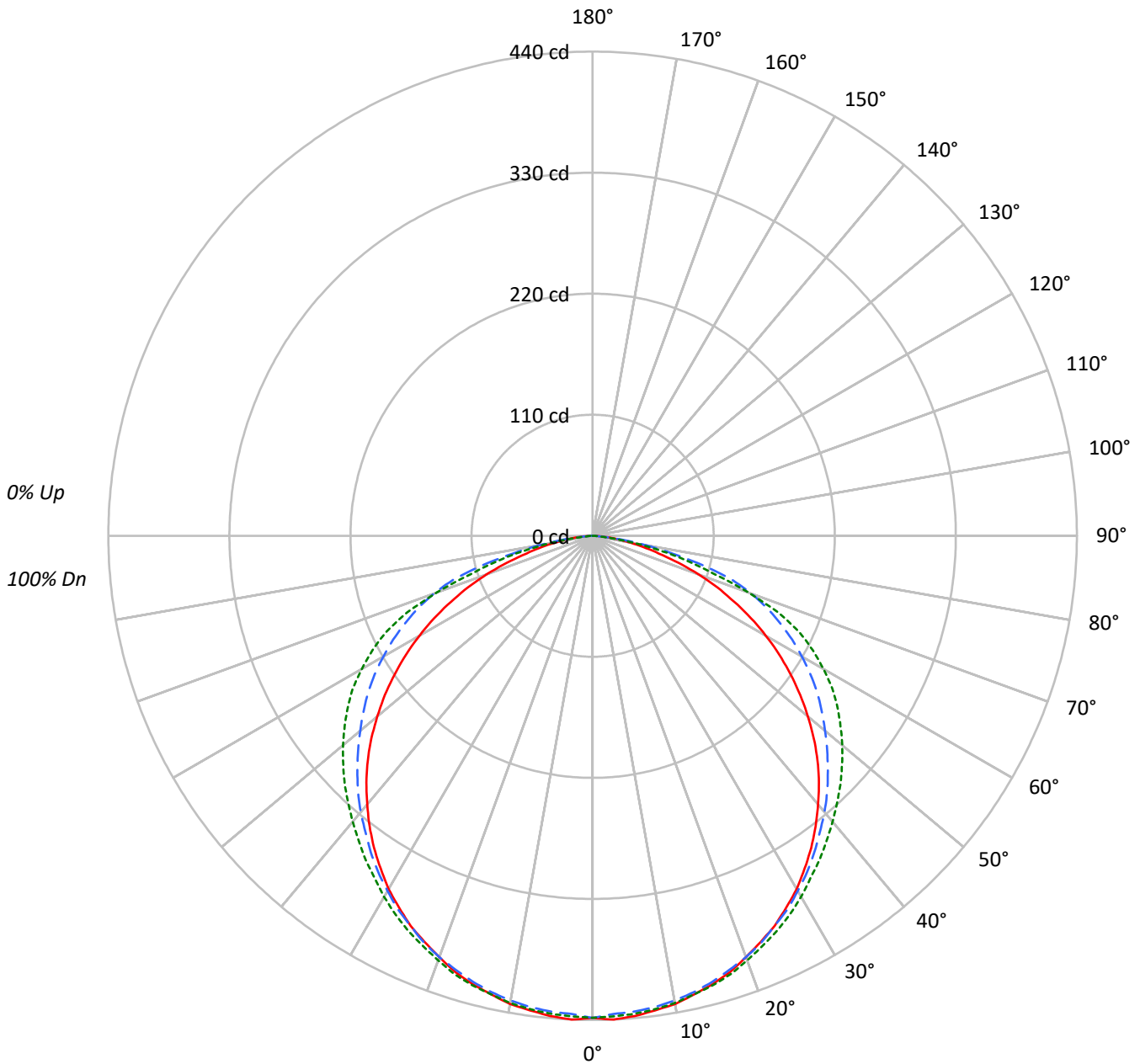
Lumens per Lamp: N/A
Luminaire Lumens: 1308.0 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P731797

CATALOG NUMBER: 14CZ2-20-RDP-B2750-W2D-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P731797

CATALOG NUMBER: 14CZ2-20-RDP-B2750-W2D-3000K

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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84																			
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	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29																			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26																			
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1237	1237	1237
5°	1241	1230	1236
10°	1238	1229	1235
15°	1232	1226	1236
20°	1224	1224	1233
25°	1218	1218	1234
30°	1208	1215	1235
35°	1193	1211	1239
40°	1174	1208	1249
45°	1154	1207	1272
50°	1121	1211	1300
55°	1080	1226	1337
60°	1026	1239	1367
65°	948	1255	1385
70°	843	1264	1239
75°	679	1135	991
80°	532	798	647
85°	366	230	165



TEST NUMBER: P731797

CATALOG NUMBER: 14CZ2-20-RDP-B2750-W2D-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	3.2
10°-20°	119.0	9.1
20°-30°	181.1	13.8
30°-40°	220.6	16.9
40°-50°	234.1	17.9
50°-60°	220.9	16.9
60°-70°	178.4	13.6
70°-80°	96.8	7.4
80°-90°	15.7	1.2
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°	341.6	26.1
0°-40°	562.2	43.0
0°-60°	1017.2	77.8
0°-90°	1308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1308.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	438	438	438	438	438	
5°	438	437	434	437	436	42
15°	422	421	420	423	423	119
25°	391	390	391	395	396	180
35°	346	348	351	358	360	216
45°	289	293	302	314	319	223
55°	220	229	249	266	272	196
65°	142	159	188	203	207	141
75°	62	91	104	94	91	68
85°	11	12	7	6	5	14
90°	0	0	0	0	0	



TEST NUMBER: P731797

CATALOG NUMBER: 14CZ2-20-RDP-B2750-W2D-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	438.1	438.1	438.1	438.1	438.1
2.5°	440.1	438.1	435.0	438.1	437.1
5°	438.1	437.1	434.0	437.1	436.1
7.5°	435.0	435.0	432.0	434.0	434.0
10°	432.0	431.0	428.9	432.0	431.0
12.5°	426.8	425.8	424.8	427.8	426.8
15°	421.7	420.7	419.7	422.8	422.8
17.5°	415.6	414.6	413.6	417.7	417.7
20°	407.4	407.4	407.4	411.6	410.5
22.5°	399.3	399.3	400.3	404.4	403.4
25°	391.1	390.1	391.1	395.2	396.2
27.5°	380.9	381.9	382.9	387.0	388.0
30°	370.7	371.7	372.7	377.9	378.9
32.5°	358.5	360.5	362.5	368.6	368.6
35°	346.2	348.2	351.3	358.5	359.5
37.5°	332.9	334.9	339.1	347.2	349.2
40°	318.6	321.7	327.8	335.9	339.1
42.5°	304.3	308.4	315.5	324.7	328.8
45°	289.0	293.0	302.3	313.5	318.6
47.5°	272.6	277.7	289.0	303.3	307.4
50°	255.3	262.5	275.7	291.0	296.1
52.5°	237.9	246.1	262.5	278.7	283.9
55°	219.5	228.7	249.2	265.5	271.6
57.5°	201.1	211.4	234.8	252.2	258.3
60°	181.7	194.0	219.5	236.9	242.1
62.5°	162.3	176.6	204.3	221.5	225.7
65°	141.9	159.3	187.9	203.3	207.3
67.5°	122.5	142.9	171.6	182.7	182.7
70°	102.1	124.5	153.2	156.2	150.1
72.5°	81.7	107.3	132.8	121.5	116.4
75°	62.3	90.9	104.1	94.0	90.9
77.5°	46.9	73.5	73.5	67.3	65.3
80°	32.7	56.2	49.1	42.9	39.8
82.5°	21.4	31.7	25.5	20.4	17.4
85°	11.3	12.3	7.1	6.1	5.1
87.5°	4.1	2.0	1.0	2.0	1.0
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)