

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: P731798

Luminaire Tested: **14CZ2-20-RDP-B2750-W2D-3500K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731798
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-3500K
Description: 1X4 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

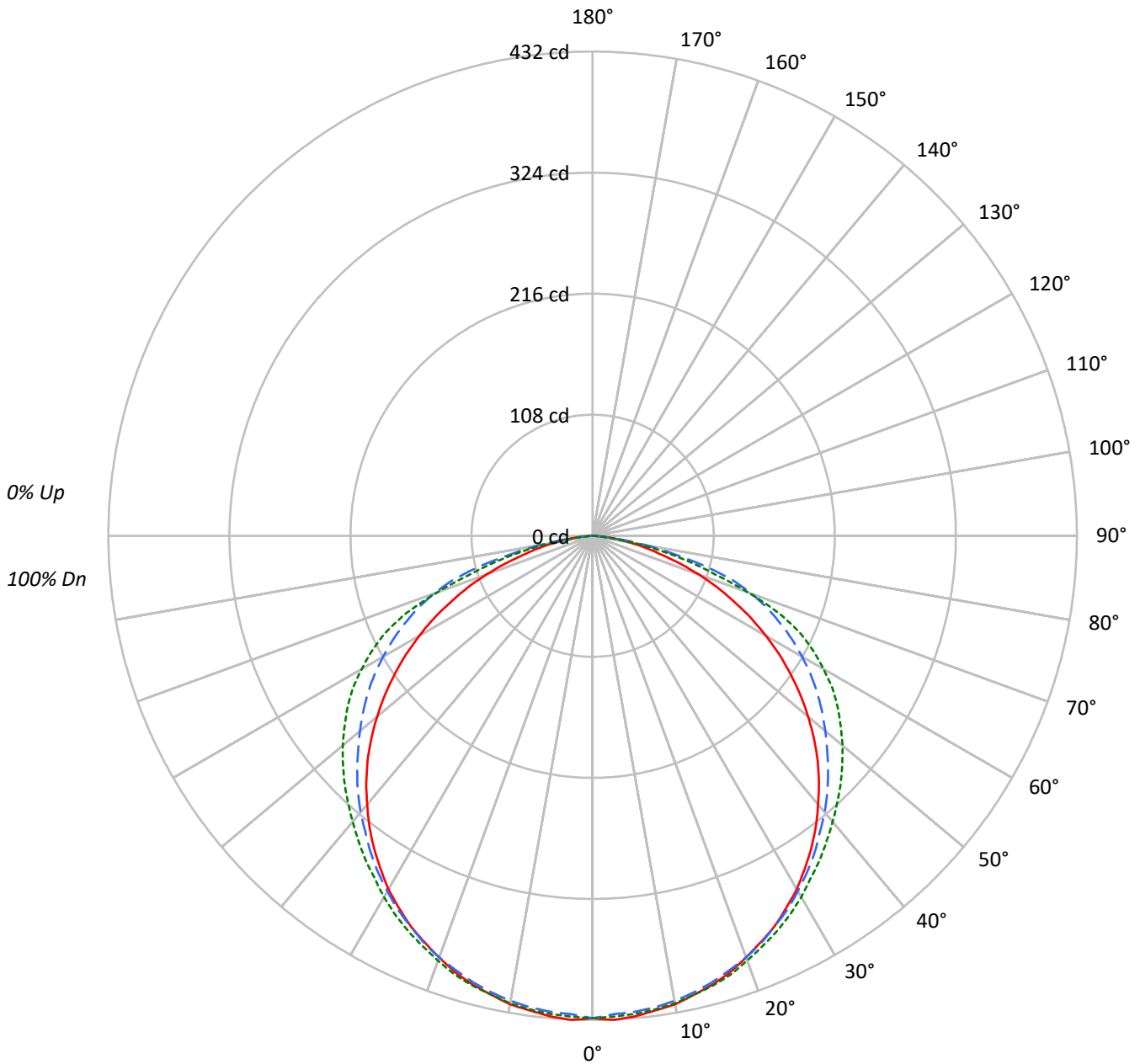
Lumens per Lamp: N/A
Luminaire Lumens: 1285.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16
Input Voltage (V): NR
Input Current (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	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°	1215	1215	1215
5°	1220	1208	1214
10°	1216	1208	1214
15°	1211	1205	1214
20°	1202	1202	1211
25°	1197	1197	1212
30°	1187	1194	1213
35°	1172	1190	1217
40°	1153	1186	1227
45°	1133	1186	1249
50°	1102	1190	1277
55°	1062	1205	1313
60°	1008	1218	1342
65°	931	1233	1360
70°	828	1242	1216
75°	667	1116	974
80°	522	783	636
85°	359	227	162



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	3.2
10°-20°	116.9	9.1
20°-30°	178.0	13.8
30°-40°	216.8	16.9
40°-50°	230.0	17.9
50°-60°	217.0	16.9
60°-70°	175.2	13.6
70°-80°	95.1	7.4
80°-90°	15.4	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°	335.6	26.1
0°-40°	552.3	43.0
0°-60°	999.3	77.8
0°-90°	1285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	430	430	430	430	430	
5°	430	429	426	429	428	41
15°	414	413	412	415	415	117
25°	384	383	384	388	389	177
35°	340	342	345	352	353	213
45°	284	288	297	308	313	219
55°	216	225	245	261	267	193
65°	139	156	185	200	204	138
75°	61	89	102	92	89	67
85°	11	12	7	6	5	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	430.4	430.4	430.4	430.4	430.4
2.5°	432.4	430.4	427.3	430.4	429.4
5°	430.4	429.4	426.3	429.4	428.4
7.5°	427.3	427.3	424.4	426.3	426.3
10°	424.4	423.4	421.4	424.4	423.4
12.5°	419.3	418.3	417.3	420.3	419.3
15°	414.3	413.3	412.3	415.4	415.4
17.5°	408.2	407.3	406.3	410.3	410.3
20°	400.3	400.3	400.3	404.3	403.3
22.5°	392.3	392.3	393.2	397.3	396.3
25°	384.3	383.3	384.3	388.2	389.2
27.5°	374.2	375.2	376.2	380.2	381.2
30°	364.2	365.2	366.2	371.2	372.2
32.5°	352.2	354.1	356.1	362.1	362.1
35°	340.1	342.1	345.2	352.2	353.2
37.5°	327.1	329.1	333.1	341.1	343.1
40°	312.9	316.0	322.0	330.0	333.1
42.5°	298.9	303.0	310.0	319.0	323.0
45°	283.9	287.9	297.0	308.0	312.9
47.5°	267.8	272.9	283.9	297.9	302.0
50°	250.9	257.9	270.9	285.9	290.9
52.5°	233.8	241.8	257.9	273.8	278.9
55°	215.7	224.7	244.8	260.8	266.8
57.5°	197.6	207.7	230.7	247.8	253.8
60°	178.5	190.6	215.7	232.8	237.8
62.5°	159.5	173.5	200.7	217.7	221.7
65°	139.4	156.5	184.6	199.7	203.6
67.5°	120.4	140.4	168.6	179.5	179.5
70°	100.3	122.4	150.5	153.5	147.4
72.5°	80.3	105.4	130.5	119.4	114.4
75°	61.2	89.3	102.3	92.3	89.3
77.5°	46.1	72.2	72.2	66.2	64.2
80°	32.1	55.2	48.2	42.2	39.1
82.5°	21.0	31.1	25.1	20.0	17.1
85°	11.1	12.1	7.0	6.0	5.0
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)