

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: P626479

Luminaire Tested: **14CZSCT3-UNV-HIGH-3000K**

Issue Date: 11/22/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P626479  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Issue Date: 11/22/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: METALUX  
 Catalog Number: 14CZSCT3-UNV-HIGH-3000K  
 Description: 1x4, WARM CCT, HIGH LUMENS  
 Light Source: SELECTABLE LUMEN LED 80CRI / 3000K CCT  
 Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
 Luminaire Lumens: 4089.4 lumens  
 Efficiency: N/A  
 Efficacy: 135.0 lumens/watt  
 Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
 Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
 CIE Type: Direct

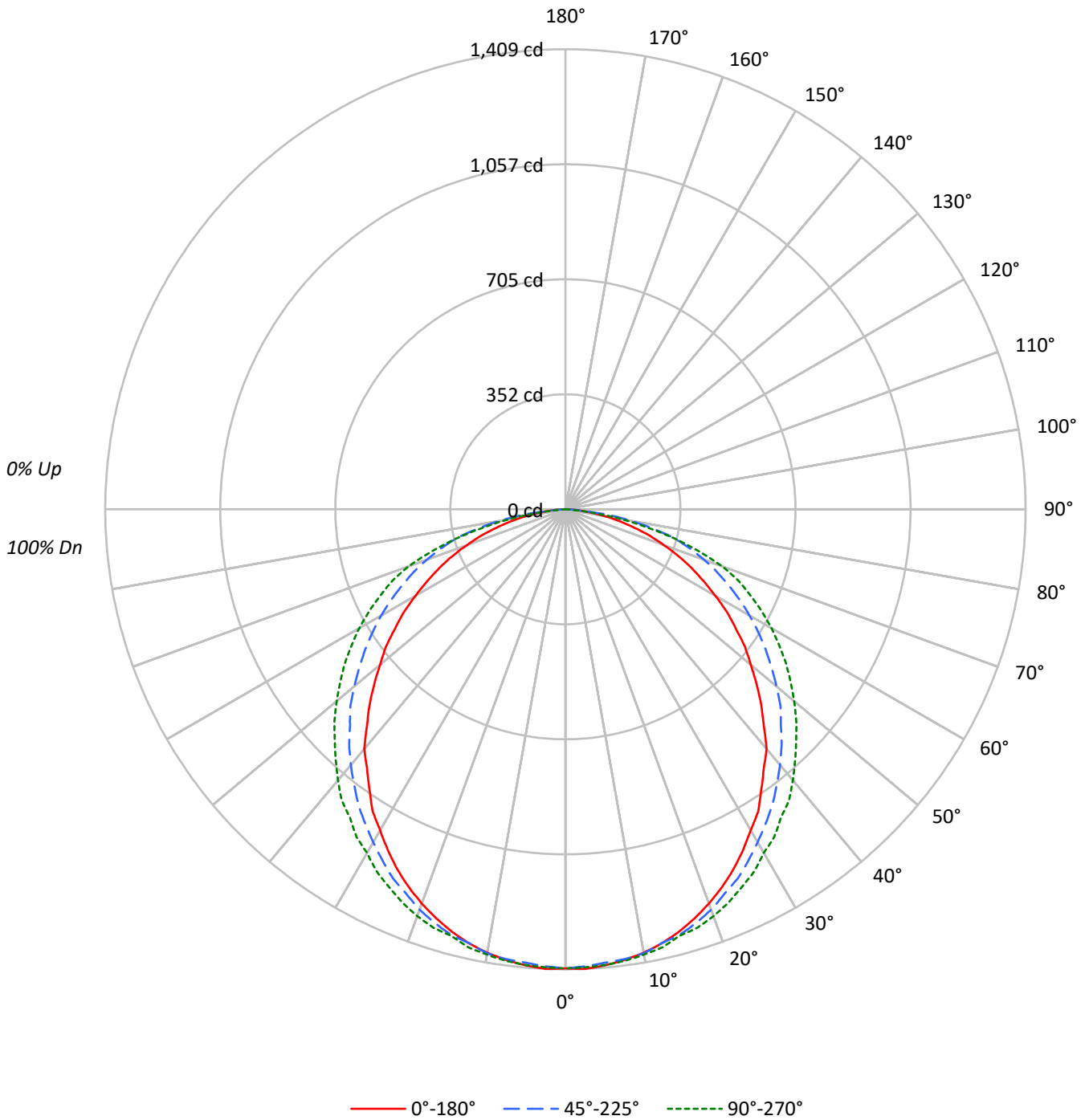
Input Watts (W): 30.3  
 Input Voltage (V): NR  
 Input Current (Ain): NR  
 Voltage Rise (V): NR  
 Power Factor: NR  
 Total Harmonic Distortion (THDi): NR  
 Frequency (hertz): 60  
 Stabilization Time: NR  
 Operation Time: NR  
 Ambient Temperature (°C): NR  
 Test Distance: 25 FT



Meas			
Instrument	Identificatio		Calibration Due Date
Photometer	GONIO 1 11111111	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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### Luminous Intensity Polar Plot





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.2	3.3
10°-20°	381.2	9.3
20°-30°	574.9	14.1
30°-40°	690.1	16.9
40°-50°	717.7	17.5
50°-60°	661.3	16.2
60°-70°	532.9	13.0
70°-80°	327.4	8.0
80°-90°	70.7	1.7
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
<b>0°-30°</b>	<b>1089.3</b>	<b>26.6</b>
<b>0°-40°</b>	<b>1779.4</b>	<b>43.5</b>
<b>0°-60°</b>	<b>3158.4</b>	<b>77.2</b>
<b>0°-90°</b>	<b>4089.4</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>4089.4</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1406	1406	1406	1406	1406	
5°	1402	1405	1394	1405	1401	133
15°	1340	1344	1350	1365	1352	378
25°	1217	1225	1248	1270	1277	560
35°	1046	1066	1105	1147	1151	656
45°	848	875	933	986	999	654
55°	637	670	748	805	825	571
65°	426	467	551	610	625	421
75°	220	270	347	352	346	234
85°	45	72	54	32	24	56
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1406	1406	1406	1406	1406
2.5°	1409	1407	1401	1411	1404
5°	1402	1405	1394	1405	1401
7.5°	1392	1393	1390	1401	1395
10°	1379	1378	1381	1391	1385
12.5°	1362	1359	1361	1382	1374
15°	1340	1344	1350	1365	1352
17.5°	1314	1318	1329	1346	1344
20°	1285	1291	1305	1326	1326
22.5°	1253	1260	1274	1302	1304
25°	1217	1225	1248	1270	1277
27.5°	1177	1190	1213	1243	1251
30°	1135	1149	1177	1211	1215
32.5°	1098	1108	1141	1178	1190
35°	1046	1066	1105	1147	1151
37.5°	998	1018	1063	1101	1125
40°	958	969	1022	1067	1083
42.5°	899	926	980	1025	1041
45°	848	875	933	986	999
47.5°	794	826	893	942	959
50°	741	776	844	896	914
52.5°	693	727	795	850	869
55°	637	670	748	805	825
57.5°	587	624	700	760	776
60°	530	570	651	708	729
62.5°	477	520	602	660	678
65°	426	467	551	610	625
67.5°	375	415	503	556	574
70°	321	369	452	503	511
72.5°	272	320	400	433	429
75°	220	270	347	352	346
77.5°	171	221	278	271	257
80°	125	175	204	186	174
82.5°	82	129	132	102	93
85°	45	72	54	32	24
87.5°	18	19	6	4	4
90°	0	0	0	0	0

(END OF REPORT)