

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: P626491

Luminaire Tested: **22CZSCT3-UNV-LOW-3000K**

Issue Date: 11/22/2022

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P626491  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Issue Date: 11/22/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: METALUX  
 Catalog Number: 22CZSCT3-UNV-LOW-3000K  
 Description: 2X2, WARM CCT, LOW LUMENS  
 Light Source: SELECTABLE LUMEN LED 80CRI / 3000K CCT  
 Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
 Luminaire Lumens: 2716.9 lumens  
 Efficiency: N/A  
 Efficacy: 127.0 lumens/watt  
 Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.35  
 Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
 CIE Type: Direct

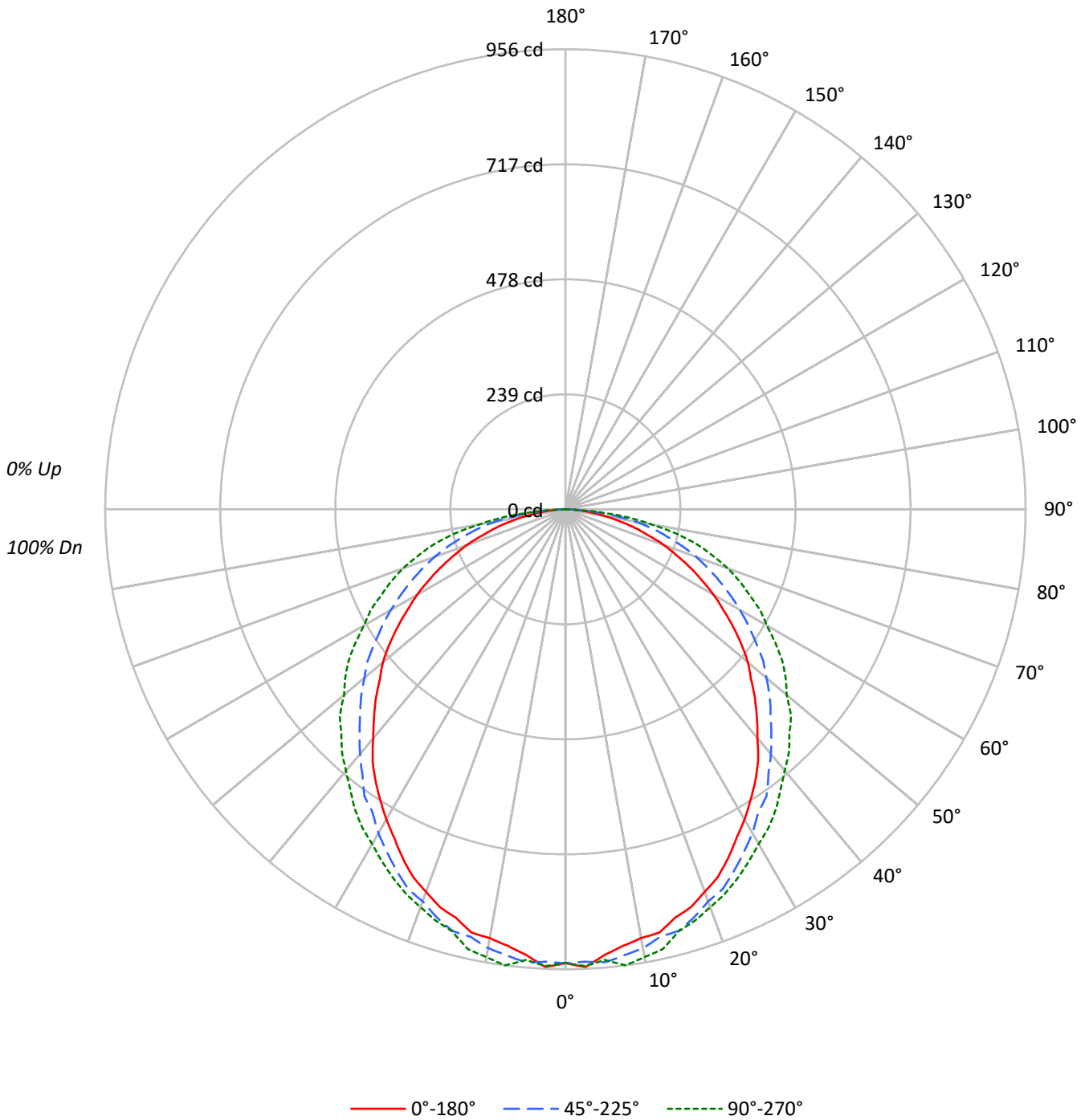
Input Watts (W): 21.4  
 Input Voltage (V): NR  
 Input Current (Ain): NR  
 Voltage Rise (V): NR  
 Power Factor: NR  
 Total Harmonic Distortion (THDi): NR  
 Frequency (hertz): 60  
 Stabilization Time: NR  
 Operation Time: NR  
 Ambient Temperature (°C): NR  
 Test Distance: 25 FT



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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**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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	88	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	82	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	48
5	75	62	53	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36
7	64	50	41	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	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2538	2538	2538
5°	2512	2553	2539
10°	2473	2530	2582
15°	2449	2527	2530
20°	2423	2483	2520
25°	2375	2461	2512
30°	2312	2414	2495
35°	2260	2392	2503
40°	2181	2333	2491
45°	2120	2295	2504
50°	2072	2282	2512
55°	1994	2266	2580
60°	1916	2255	2599
65°	1821	2248	2687
70°	1723	2274	2825
75°	1560	2267	2953
80°	1364	2278	2836
85°	1112	1853	2254

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.9	3.3
10°-20°	253.3	9.3
20°-30°	379.0	13.9
30°-40°	451.3	16.6
40°-50°	467.5	17.2
50°-60°	432.4	15.9
60°-70°	349.6	12.9
70°-80°	228.2	8.4
80°-90°	66.8	2.5
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°	721.2	26.5
0°-40°	1172.4	43.2
0°-60°	2072.3	76.3
0°-90°	2716.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2716.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	943	943	943	943	943	
5°	930	932	945	931	940	88
15°	879	897	907	898	908	249
25°	800	808	829	834	846	368
35°	688	697	728	739	762	430
45°	557	568	603	641	658	430
55°	425	437	483	526	550	380
65°	286	302	353	402	422	283
75°	150	169	218	267	284	159
85°	36	45	60	70	73	42
90°	0	0	0	0	0	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	943	943	943	943	943
2.5°	952	938	941	938	950
5°	930	932	945	931	940
7.5°	915	918	935	932	956
10°	905	917	926	915	945
12.5°	901	905	910	912	936
15°	879	897	907	898	908
17.5°	867	879	889	885	896
20°	846	850	867	872	880
22.5°	827	828	854	849	865
25°	800	808	829	834	846
27.5°	770	783	803	813	825
30°	744	756	777	792	803
32.5°	716	728	746	767	785
35°	688	697	728	739	762
37.5°	658	665	693	717	734
40°	621	636	664	689	709
42.5°	589	603	633	669	687
45°	557	568	603	641	658
47.5°	523	538	576	612	636
50°	495	505	545	582	600
52.5°	461	472	518	558	577
55°	425	437	483	526	550
57.5°	389	403	451	496	517
60°	356	370	419	466	483
62.5°	320	335	386	437	457
65°	286	302	353	402	422
67.5°	250	268	321	370	392
70°	219	234	289	335	359
72.5°	181	200	255	307	321
75°	150	169	218	267	284
77.5°	117	136	186	221	239
80°	88	107	147	174	183
82.5°	59	76	105	126	134
85°	36	45	60	70	73
87.5°	15	17	20	17	13
90°	0	0	0	0	0

(END OF REPORT)