

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: P626493

Luminaire Tested: **22CZSCT3-UNV-LOW-4000K**

Issue Date: 11/22/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P626493
 Test Lab: COOPER LIGHTING SOLUTIONS
 Issue Date: 11/22/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: METALUX
 Catalog Number: 22CZSCT3-UNV-LOW-4000K
 Description: 2X2, COOL CCT, LOW LUMENS
 Light Source: SELECTABLE LUMEN LED 80CRI / 4000K CCT
 Ballast/Driver: -

Summary

Lumens per Lamp: N/A
 Luminaire Lumens: 2887.4 lumens
 Efficiency: N/A
 Efficacy: 134.9 lumens/watt
 Spacing Criteria (0/90/45): 1.18 / 1.26 / 1.35
 Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
 CIE Type: Direct

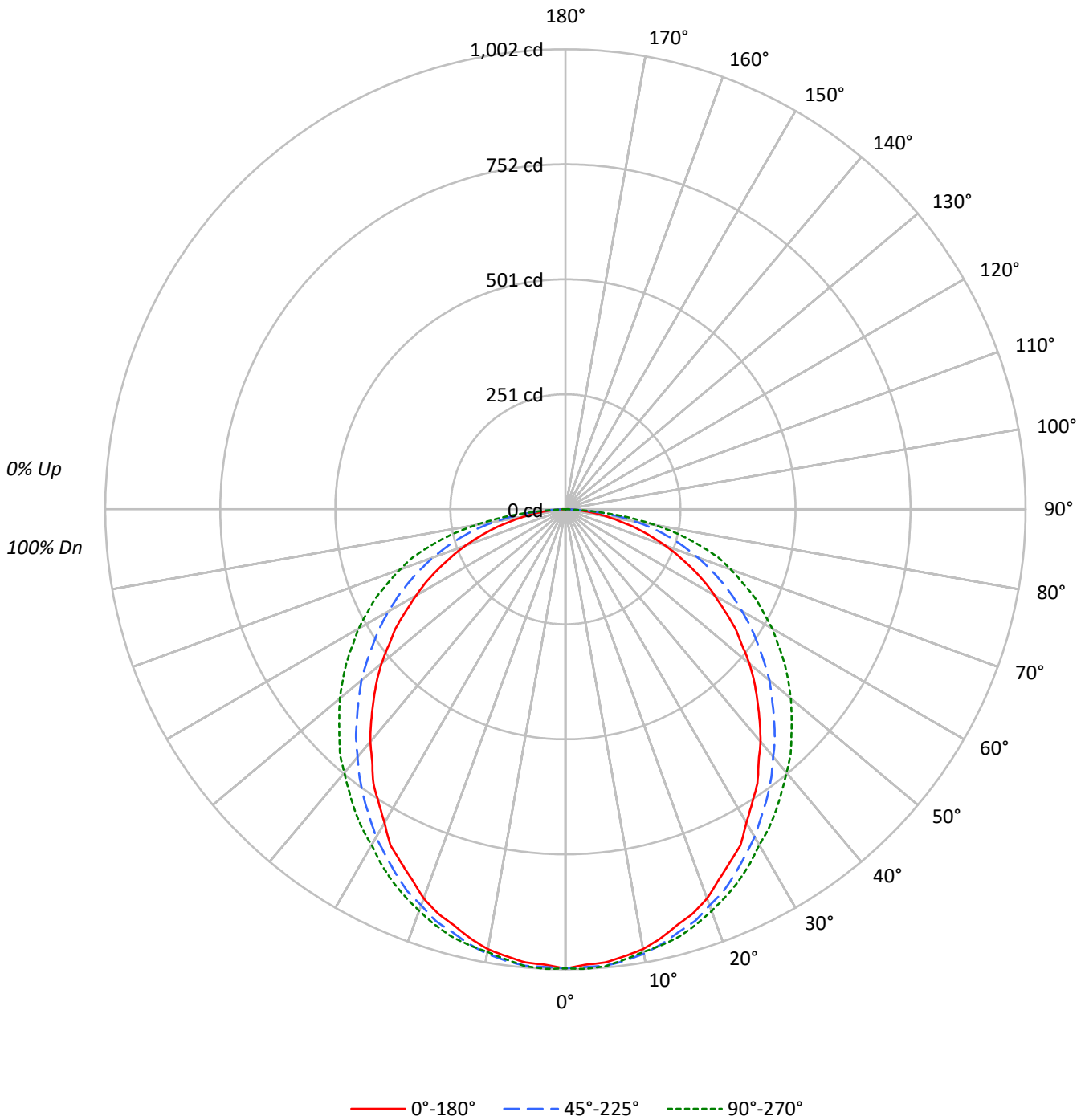
Input Watts (W): 21.4
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT



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	87	81	75	84	78	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	48
5	75	62	52	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	49	41	35	48	40	35	46	40	34	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	25	37	30	25	36	30	25	36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2691	2691	2691
5°	2677	2696	2699
10°	2659	2686	2675
15°	2613	2655	2683
20°	2583	2629	2666
25°	2518	2598	2651
30°	2449	2560	2623
35°	2395	2516	2628
40°	2322	2473	2631
45°	2249	2443	2649
50°	2189	2428	2683
55°	2116	2397	2730
60°	2018	2390	2799
65°	1929	2394	2897
70°	1825	2408	3013
75°	1664	2433	3140
80°	1410	2417	3084
85°	1173	2069	2439

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	3.3
10°-20°	268.9	9.3
20°-30°	402.0	13.9
30°-40°	478.4	16.6
40°-50°	496.8	17.2
50°-60°	459.0	15.9
60°-70°	372.4	12.9
70°-80°	243.5	8.4
80°-90°	71.9	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°	765.4	26.5
0°-40°	1243.9	43.1
0°-60°	2199.6	76.2
0°-90°	2887.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2887.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1000	1000	1000	1000	1000	
5°	991	993	998	1000	999	94
15°	938	947	953	959	963	265
25°	848	856	875	887	893	391
35°	729	739	766	792	800	454
45°	591	605	642	682	696	457
55°	451	463	511	562	582	401
65°	303	321	376	429	455	300
75°	160	180	234	284	302	169
85°	38	48	67	76	79	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1000	1000	1000	1000	1000
2.5°	993	997	998	1003	1002
5°	991	993	998	1000	999
7.5°	982	986	992	995	989
10°	973	975	983	983	979
12.5°	957	962	970	974	972
15°	938	947	953	959	963
17.5°	923	929	940	947	948
20°	902	908	918	931	931
22.5°	873	882	900	909	913
25°	848	856	875	887	893
27.5°	825	828	849	866	870
30°	788	801	824	841	844
32.5°	757	770	794	815	824
35°	729	739	766	792	800
37.5°	691	706	736	766	774
40°	661	671	704	738	749
42.5°	626	639	675	711	726
45°	591	605	642	682	696
47.5°	558	570	610	654	668
50°	523	535	580	625	641
52.5°	484	499	545	593	611
55°	451	463	511	562	582
57.5°	411	428	479	531	549
60°	375	392	444	497	520
62.5°	341	357	411	464	486
65°	303	321	376	429	455
67.5°	267	287	341	395	417
70°	232	249	306	360	383
72.5°	195	213	271	323	349
75°	160	180	234	284	302
77.5°	123	146	198	238	255
80°	91	116	156	186	199
82.5°	64	82	112	134	141
85°	38	48	67	76	79
87.5°	17	18	21	19	18
90°	0	0	0	0	0

(END OF REPORT)