

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: P#

Luminaire Tested: **22CZ-LD5-29-RDP-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P25713)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CZ-LD5-29-RDP-UNV-L840-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1852.5 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.1')
CIE Type: Direct

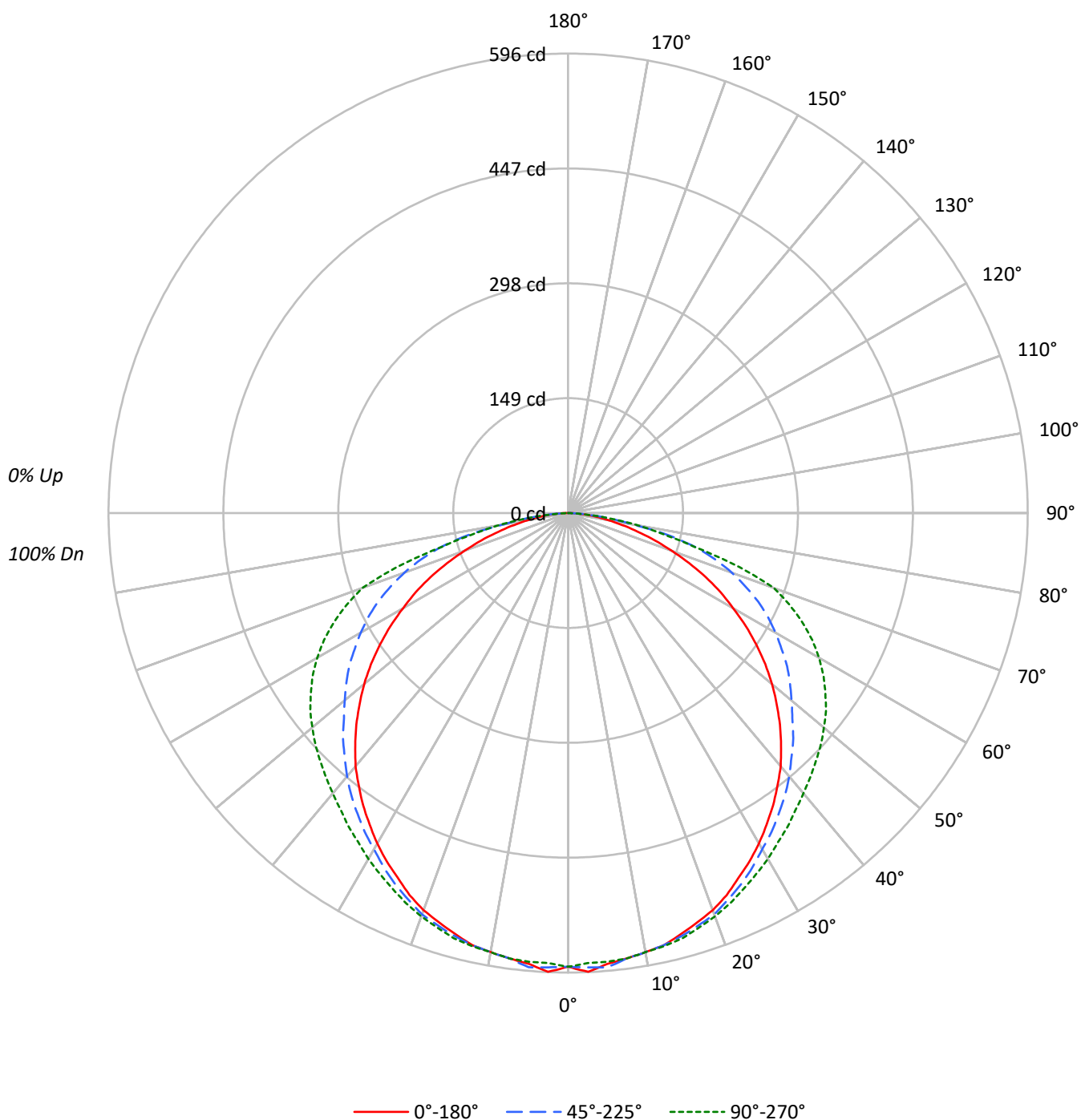
Input Watts (W): 23.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1583	1583	1583
5°	1578	1587	1571
10°	1566	1561	1566
15°	1554	1554	1570
20°	1542	1546	1566
25°	1515	1526	1561
30°	1495	1503	1564
35°	1470	1491	1575
40°	1445	1479	1600
45°	1408	1468	1648
50°	1364	1461	1711
55°	1304	1477	1783
60°	1225	1490	1860
65°	1133	1503	1928
70°	985	1488	1960
75°	819	1408	1488
80°	642	939	1112
85°	452	492	509



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	3.0
10°-20°	160.4	8.7
20°-30°	244.5	13.2
30°-40°	299.1	16.1
40°-50°	321.9	17.4
50°-60°	311.8	16.8
60°-70°	264.1	14.3
70°-80°	159.7	8.6
80°-90°	35.1	1.9
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°	460.8	24.9
0°-40°	759.9	41.0
0°-60°	1393.6	75.2
0°-90°	1852.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1852.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	588	588	588	588	588	
5°	587	587	591	588	584	56
15°	565	567	568	570	571	160
25°	522	525	531	535	538	241
35°	463	466	476	489	496	290
45°	388	396	413	439	455	299
55°	298	311	347	387	407	266
65°	197	219	272	315	335	194
75°	94	127	171	174	170	100
85°	23	27	29	27	26	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	588.4	588.4	588.4	588.4	588.4
2.5°	595.6	594.1	589.8	586.9	584.1
5°	586.9	586.9	591.3	588.4	584.1
7.5°	582.6	582.6	582.6	589.8	582.6
10°	578.3	579.7	578.3	584.1	578.3
12.5°	574.0	574.0	574.0	575.4	575.4
15°	565.4	566.8	568.2	569.7	571.1
17.5°	556.7	558.2	561.0	562.5	563.9
20°	548.1	549.5	553.9	553.9	556.7
22.5°	536.6	536.6	542.3	543.8	548.1
25°	522.2	525.1	530.8	535.2	538.0
27.5°	509.3	512.1	517.9	523.6	528.0
30°	494.9	497.7	503.5	512.1	517.9
32.5°	479.0	481.9	490.6	500.6	506.4
35°	463.2	466.1	476.2	489.1	496.3
37.5°	446.0	450.3	461.8	476.2	484.8
40°	428.7	433.0	446.0	461.8	474.7
42.5°	408.6	414.3	428.7	450.3	464.7
45°	388.4	395.6	412.9	438.8	454.6
47.5°	366.8	374.0	394.2	427.3	444.5
50°	345.3	353.9	378.3	414.3	433.0
52.5°	322.2	330.9	362.5	401.4	421.5
55°	297.8	310.7	346.7	387.0	407.1
57.5°	273.3	287.7	328.0	371.2	392.7
60°	247.4	264.7	310.7	353.9	375.5
62.5°	223.0	241.7	292.0	335.2	356.8
65°	197.1	218.7	271.9	315.0	335.2
67.5°	169.8	197.1	248.9	290.6	310.7
70°	142.4	174.1	225.9	264.7	283.4
72.5°	118.0	151.1	200.0	233.1	233.1
75°	93.5	126.6	171.2	174.1	169.8
77.5°	71.9	103.6	133.8	122.3	125.2
80°	53.2	79.1	84.9	89.2	92.1
82.5°	36.0	53.2	54.7	57.5	57.5
85°	23.0	27.3	28.8	27.3	25.9
87.5°	10.1	11.5	8.6	5.8	4.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)