

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-LD5-34-RDP-UNV-L830-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-LD5-34-RDP-UNV-L830-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1959.1 lumens
Efficiency: N/A
Efficacy: 66.6 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

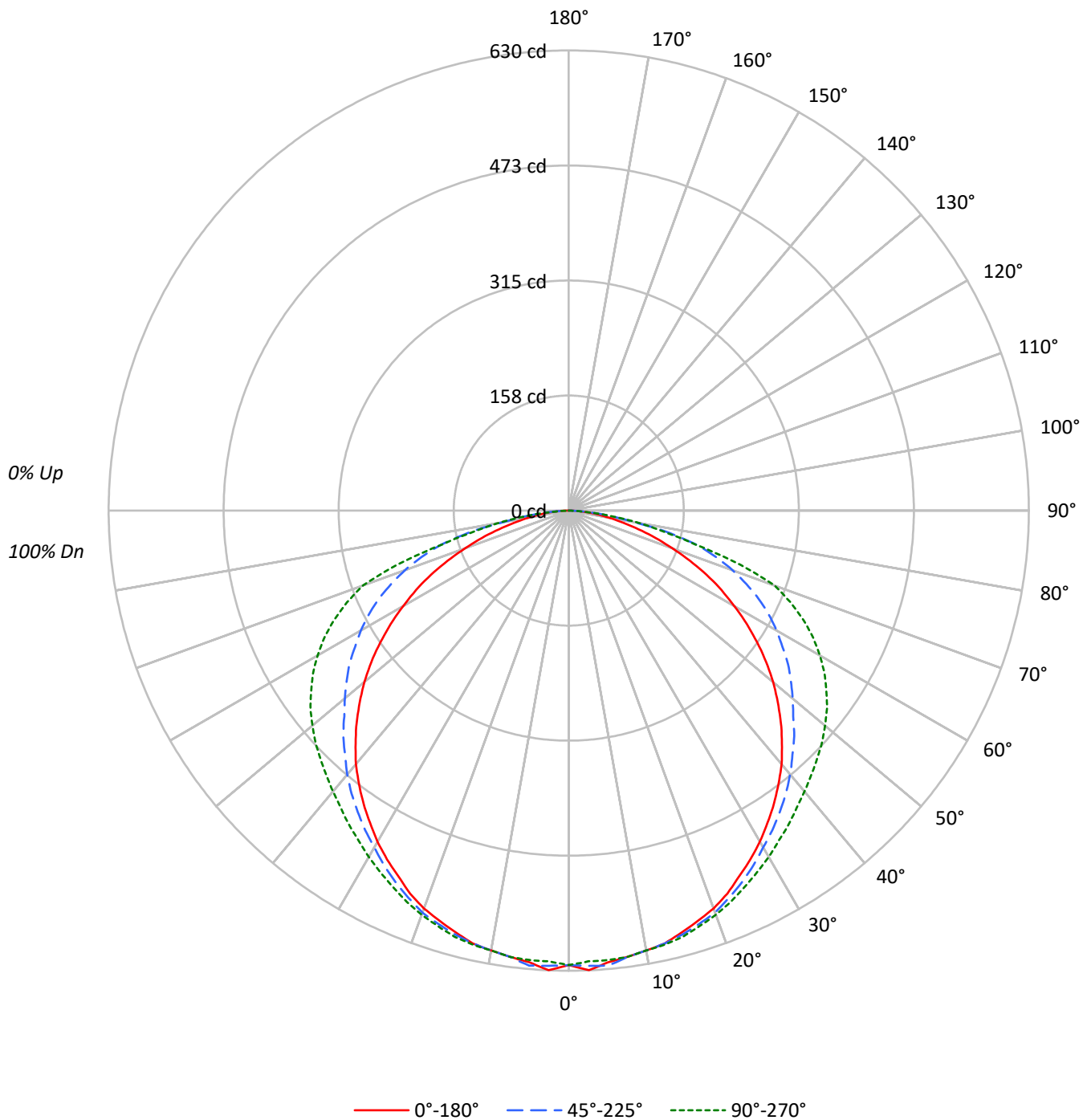
Input Watts (W): 29.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	1674	1674	1674
5°	1669	1679	1661
10°	1657	1651	1657
15°	1644	1643	1660
20°	1630	1635	1656
25°	1602	1614	1651
30°	1581	1590	1654
35°	1555	1576	1666
40°	1528	1564	1693
45°	1489	1552	1743
50°	1443	1545	1810
55°	1379	1563	1885
60°	1296	1576	1967
65°	1198	1590	2039
70°	1042	1573	2073
75°	867	1490	1573
80°	680	993	1176
85°	477	519	538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	3.0
10°-20°	169.7	8.7
20°-30°	258.6	13.2
30°-40°	316.4	16.1
40°-50°	340.4	17.4
50°-60°	329.7	16.8
60°-70°	279.3	14.3
70°-80°	168.8	8.6
80°-90°	37.1	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°	487.3	24.9
0°-40°	803.7	41.0
0°-60°	1473.8	75.2
0°-90°	1959.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1959.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	622	622	622	622	622	
5°	621	621	625	622	618	59
15°	598	599	601	602	604	169
25°	552	555	561	566	569	255
35°	490	493	504	517	525	306
45°	411	418	437	464	481	317
55°	315	329	367	409	430	281
65°	208	231	288	333	354	205
75°	99	134	181	184	180	106
85°	24	29	30	29	27	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	622.2	622.2	622.2	622.2	622.2
2.5°	629.8	628.3	623.8	620.7	617.7
5°	620.7	620.7	625.3	622.2	617.7
7.5°	616.2	616.2	616.2	623.8	616.2
10°	611.6	613.1	611.6	617.7	611.6
12.5°	607.0	607.0	607.0	608.6	608.6
15°	597.9	599.4	601.0	602.5	604.0
17.5°	588.8	590.3	593.4	594.9	596.4
20°	579.7	581.2	585.8	585.8	588.8
22.5°	567.5	567.5	573.6	575.1	579.7
25°	552.2	555.3	561.4	566.0	569.0
27.5°	538.6	541.6	547.7	553.8	558.4
30°	523.4	526.4	532.5	541.6	547.7
32.5°	506.6	509.7	518.8	529.4	535.5
35°	489.9	493.0	503.6	517.3	524.9
37.5°	471.7	476.2	488.4	503.6	512.7
40°	453.3	458.0	471.7	488.4	502.1
42.5°	432.1	438.1	453.3	476.2	491.4
45°	410.8	418.4	436.6	464.1	480.8
47.5°	388.0	395.6	416.9	451.8	470.2
50°	365.2	374.3	400.1	438.1	458.0
52.5°	340.8	349.9	383.4	424.5	445.7
55°	314.9	328.6	366.7	409.3	430.5
57.5°	289.1	304.3	346.8	392.5	415.3
60°	261.7	280.0	328.6	374.3	397.1
62.5°	235.8	255.6	308.8	354.5	377.3
65°	208.4	231.2	287.6	333.2	354.5
67.5°	179.5	208.4	263.2	307.3	328.6
70°	150.6	184.1	238.8	280.0	299.7
72.5°	124.7	159.8	211.5	246.4	246.4
75°	98.9	133.9	181.1	184.1	179.5
77.5°	76.1	109.5	141.5	129.3	132.3
80°	56.3	83.7	89.8	94.3	97.4
82.5°	38.0	56.3	57.9	60.9	60.9
85°	24.3	28.9	30.4	28.9	27.4
87.5°	10.6	12.2	9.1	6.1	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)