

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-LD5-32SE-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-LD5-32SE-RDP-UNV-L840-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2046.7 lumens
Efficiency: N/A
Efficacy: 67.0 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

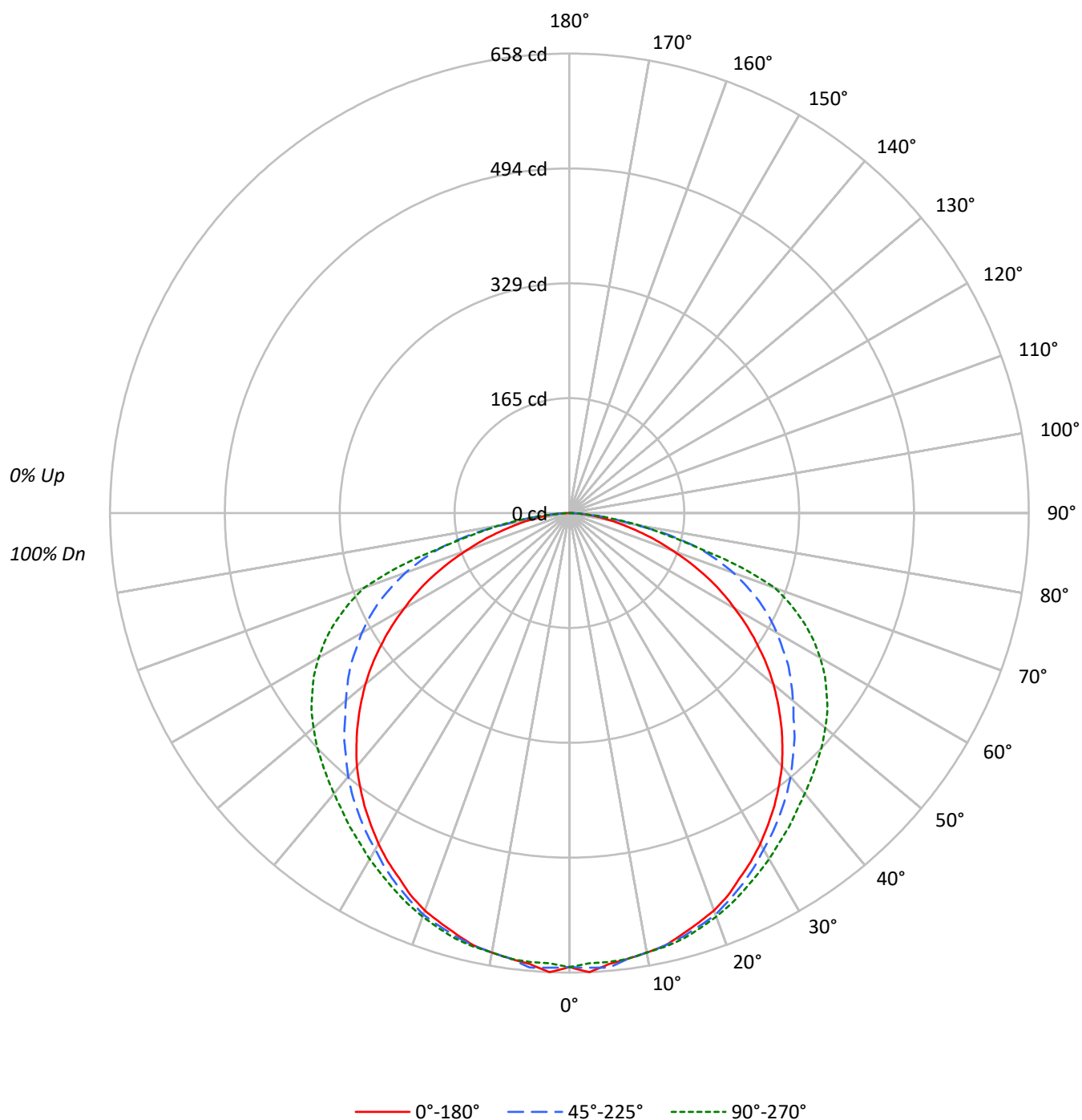
Input Watts (W): 30.53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1749	1749	1749
5°	1744	1754	1736
10°	1731	1725	1731
15°	1717	1716	1735
20°	1703	1708	1730
25°	1674	1686	1725
30°	1651	1661	1728
35°	1624	1647	1741
40°	1597	1634	1768
45°	1555	1621	1821
50°	1507	1614	1890
55°	1441	1632	1970
60°	1354	1646	2055
65°	1253	1661	2130
70°	1089	1644	2166
75°	905	1556	1644
80°	710	1038	1228
85°	499	543	562



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	3.0
10°-20°	177.3	8.7
20°-30°	270.1	13.2
30°-40°	330.5	16.1
40°-50°	355.6	17.4
50°-60°	344.5	16.8
60°-70°	291.8	14.3
70°-80°	176.4	8.6
80°-90°	38.8	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°	509.1	24.9
0°-40°	839.6	41.0
0°-60°	1539.7	75.2
0°-90°	2046.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2046.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	650	650	650	650	650	
5°	648	648	653	650	645	62
15°	625	626	628	629	631	176
25°	577	580	586	591	594	266
35°	512	515	526	540	548	320
45°	429	437	456	485	502	331
55°	329	343	383	428	450	294
65°	218	242	300	348	370	214
75°	103	140	189	192	188	111
85°	25	30	32	30	29	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	650.1	650.1	650.1	650.1	650.1
2.5°	658.0	656.4	651.7	648.5	645.3
5°	648.5	648.5	653.3	650.1	645.3
7.5°	643.7	643.7	643.7	651.7	643.7
10°	639.0	640.5	639.0	645.3	639.0
12.5°	634.2	634.2	634.2	635.8	635.8
15°	624.6	626.2	627.8	629.4	631.0
17.5°	615.1	616.7	619.9	621.5	623.1
20°	605.6	607.2	611.9	611.9	615.1
22.5°	592.9	592.9	599.2	600.8	605.6
25°	577.0	580.1	586.5	591.3	594.5
27.5°	562.7	565.8	572.2	578.6	583.3
30°	546.8	549.9	556.3	565.8	572.2
32.5°	529.3	532.5	542.0	553.1	559.5
35°	511.8	515.0	526.1	540.4	548.4
37.5°	492.7	497.5	510.2	526.1	535.6
40°	473.7	478.4	492.7	510.2	524.5
42.5°	451.4	457.8	473.7	497.5	513.4
45°	429.1	437.1	456.2	484.8	502.3
47.5°	405.3	413.3	435.5	472.1	491.1
50°	381.5	391.0	418.0	457.8	478.4
52.5°	356.0	365.6	400.5	443.5	465.7
55°	329.0	343.3	383.1	427.6	449.8
57.5°	302.0	317.9	362.4	410.1	433.9
60°	273.4	292.5	343.3	391.0	414.8
62.5°	246.4	267.0	322.7	370.3	394.2
65°	217.8	241.6	300.4	348.1	370.3
67.5°	187.6	217.8	275.0	321.1	343.3
70°	157.4	192.3	249.5	292.5	313.1
72.5°	130.3	166.9	220.9	257.5	257.5
75°	103.3	139.9	189.1	192.3	187.6
77.5°	79.5	114.4	147.8	135.1	138.3
80°	58.8	87.4	93.8	98.5	101.7
82.5°	39.7	58.8	60.4	63.6	63.6
85°	25.4	30.2	31.8	30.2	28.6
87.5°	11.1	12.7	9.5	6.4	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)