

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-L835-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-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2006.6 lumens
Efficiency: N/A
Efficacy: 65.7 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

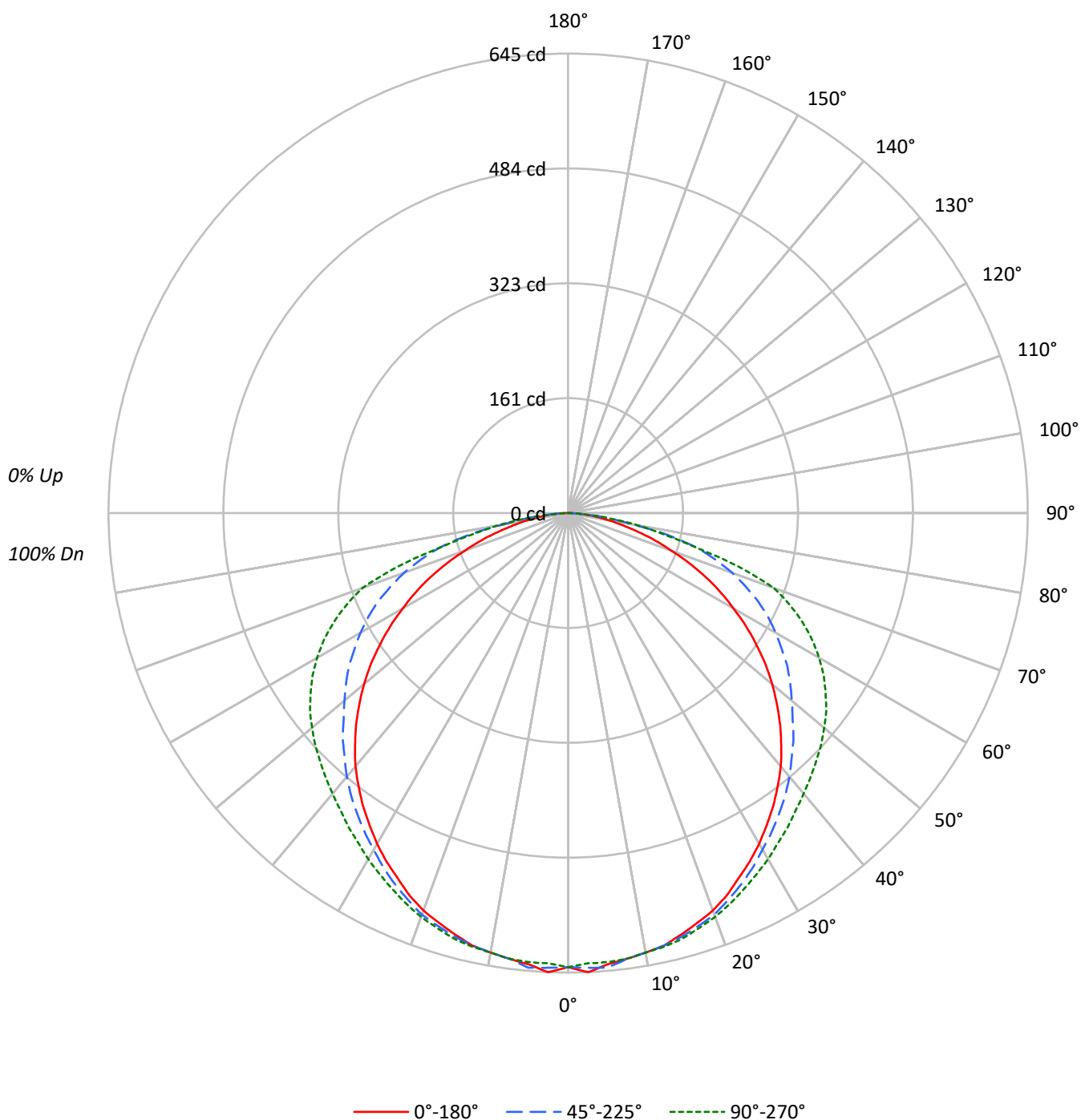
Input Watts (W): 30.53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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°	1715	1715	1715
5°	1710	1720	1702
10°	1697	1691	1697
15°	1684	1683	1701
20°	1670	1675	1696
25°	1641	1653	1691
30°	1619	1628	1694
35°	1593	1615	1706
40°	1566	1602	1734
45°	1525	1589	1785
50°	1478	1582	1853
55°	1413	1600	1931
60°	1327	1614	2014
65°	1228	1628	2088
70°	1067	1611	2124
75°	888	1525	1611
80°	697	1017	1204
85°	489	533	550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	3.0
10°-20°	173.8	8.7
20°-30°	264.8	13.2
30°-40°	324.0	16.1
40°-50°	348.7	17.4
50°-60°	337.7	16.8
60°-70°	286.1	14.3
70°-80°	172.9	8.6
80°-90°	38.0	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°	499.1	24.9
0°-40°	823.2	41.0
0°-60°	1509.5	75.2
0°-90°	2006.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2006.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	637	637	637	637	637	
5°	636	636	640	637	633	60
15°	612	614	616	617	619	173
25°	566	569	575	580	583	261
35°	502	505	516	530	538	314
45°	421	428	447	475	492	324
55°	323	337	376	419	441	288
65°	214	237	294	341	363	210
75°	101	137	185	189	184	109
85°	25	30	31	30	28	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	637.3	637.3	637.3	637.3	637.3
2.5°	645.1	643.6	638.9	635.8	632.7
5°	635.8	635.8	640.5	637.3	632.7
7.5°	631.1	631.1	631.1	638.9	631.1
10°	626.4	628.0	626.4	632.7	626.4
12.5°	621.8	621.8	621.8	623.3	623.3
15°	612.4	614.0	615.5	617.1	618.6
17.5°	603.1	604.6	607.7	609.3	610.8
20°	593.7	595.3	599.9	599.9	603.1
22.5°	581.2	581.2	587.5	589.0	593.7
25°	565.7	568.8	575.0	579.7	582.8
27.5°	551.6	554.7	561.0	567.2	571.9
30°	536.0	539.2	545.4	554.7	561.0
32.5°	518.9	522.0	531.4	542.3	548.5
35°	501.8	504.9	515.8	529.8	537.6
37.5°	483.1	487.7	500.2	515.8	525.1
40°	464.4	469.0	483.1	500.2	514.2
42.5°	442.5	448.8	464.4	487.7	503.3
45°	420.7	428.5	447.2	475.3	492.4
47.5°	397.4	405.2	427.0	462.8	481.5
50°	374.0	383.3	409.8	448.8	469.0
52.5°	349.1	358.4	392.7	434.8	456.6
55°	322.6	336.6	375.5	419.2	441.0
57.5°	296.1	311.7	355.3	402.0	425.4
60°	268.0	286.7	336.6	383.3	406.7
62.5°	241.5	261.8	316.3	363.1	386.5
65°	213.5	236.9	294.5	341.3	363.1
67.5°	183.9	213.5	269.6	314.8	336.6
70°	154.3	188.6	244.6	286.7	307.0
72.5°	127.8	163.6	216.6	252.4	252.4
75°	101.3	137.1	185.4	188.6	183.9
77.5°	77.9	112.2	144.9	132.5	135.6
80°	57.7	85.7	91.9	96.6	99.7
82.5°	39.0	57.7	59.2	62.3	62.3
85°	24.9	29.6	31.2	29.6	28.0
87.5°	10.9	12.5	9.3	6.2	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)