

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-SQP-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-SQP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2363.3 lumens
Efficiency: N/A
Efficacy: 77.4 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

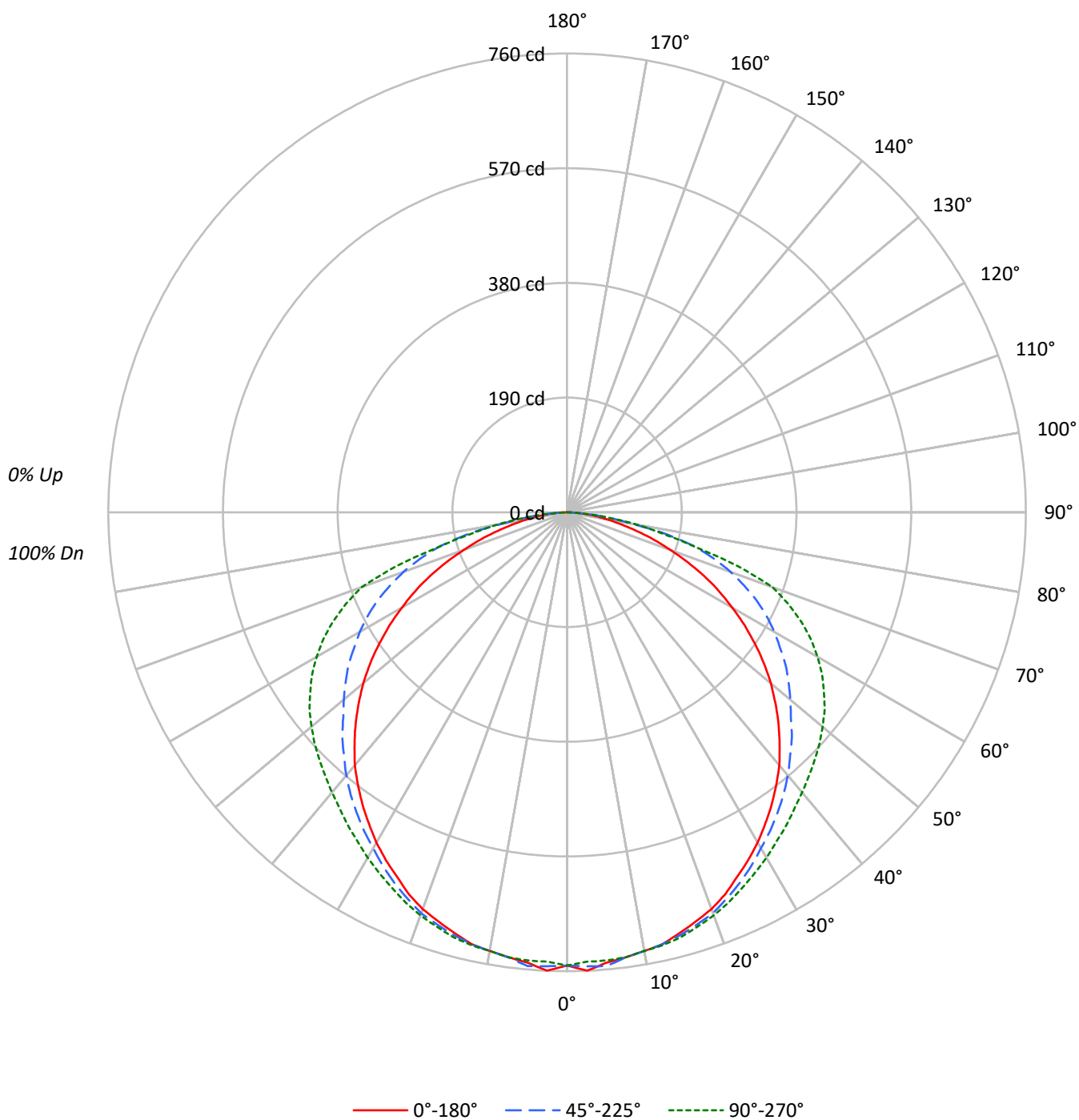
Input Watts (W): 30.53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2020	2020	2020
5°	2014	2025	2004
10°	1998	1991	1998
15°	1983	1982	2003
20°	1967	1973	1998
25°	1933	1947	1992
30°	1907	1918	1995
35°	1876	1902	2010
40°	1844	1887	2042
45°	1796	1872	2102
50°	1740	1864	2183
55°	1664	1885	2274
60°	1564	1901	2372
65°	1446	1918	2459
70°	1257	1898	2501
75°	1045	1797	1898
80°	820	1198	1419
85°	578	627	648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	3.0
10°-20°	204.7	8.7
20°-30°	311.9	13.2
30°-40°	381.6	16.1
40°-50°	410.6	17.4
50°-60°	397.8	16.8
60°-70°	336.9	14.3
70°-80°	203.7	8.6
80°-90°	44.7	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°	587.9	24.9
0°-40°	969.5	41.0
0°-60°	1777.9	75.2
0°-90°	2363.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2363.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	751	751	751	751	751	
5°	749	749	754	751	745	71
15°	721	723	725	727	729	204
25°	666	670	677	683	686	308
35°	591	595	608	624	633	370
45°	496	505	527	560	580	382
55°	380	396	442	494	519	339
65°	251	279	347	402	428	248
75°	119	162	218	222	217	128
85°	29	35	37	35	33	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	750.6	750.6	750.6	750.6	750.6
2.5°	759.8	758.0	752.5	748.8	745.1
5°	748.8	748.8	754.3	750.6	745.1
7.5°	743.3	743.3	743.3	752.5	743.3
10°	737.8	739.6	737.8	745.1	737.8
12.5°	732.3	732.3	732.3	734.1	734.1
15°	721.3	723.1	725.0	726.8	728.6
17.5°	710.3	712.1	715.8	717.6	719.4
20°	699.3	701.1	706.6	706.6	710.3
22.5°	684.6	684.6	691.9	693.8	699.3
25°	666.2	669.9	677.2	682.7	686.4
27.5°	649.7	653.4	660.7	668.1	673.6
30°	631.4	635.0	642.4	653.4	660.7
32.5°	611.2	614.8	625.8	638.7	646.0
35°	591.0	594.6	607.5	624.0	633.2
37.5°	569.0	574.5	589.1	607.5	618.5
40°	546.9	552.4	569.0	589.1	605.7
42.5°	521.2	528.6	546.9	574.5	592.8
45°	495.5	504.7	526.7	559.8	580.0
47.5°	468.0	477.2	502.9	545.1	567.1
50°	440.5	451.5	482.7	528.6	552.4
52.5°	411.1	422.1	462.5	512.1	537.8
55°	379.9	396.4	442.3	493.7	519.4
57.5°	348.7	367.1	418.5	473.5	501.0
60°	315.7	337.7	396.4	451.5	479.0
62.5°	284.5	308.3	372.6	427.6	455.2
65°	251.4	279.0	346.9	401.9	427.6
67.5°	216.6	251.4	317.5	370.7	396.4
70°	181.7	222.1	288.1	337.7	361.6
72.5°	150.5	192.7	255.1	297.3	297.3
75°	119.3	161.5	218.4	222.1	216.6
77.5°	91.8	132.1	170.7	156.0	159.7
80°	67.9	100.9	108.3	113.8	117.5
82.5°	45.9	67.9	69.7	73.4	73.4
85°	29.4	34.9	36.7	34.9	33.0
87.5°	12.8	14.7	11.0	7.3	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)