

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-L850-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-L850-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

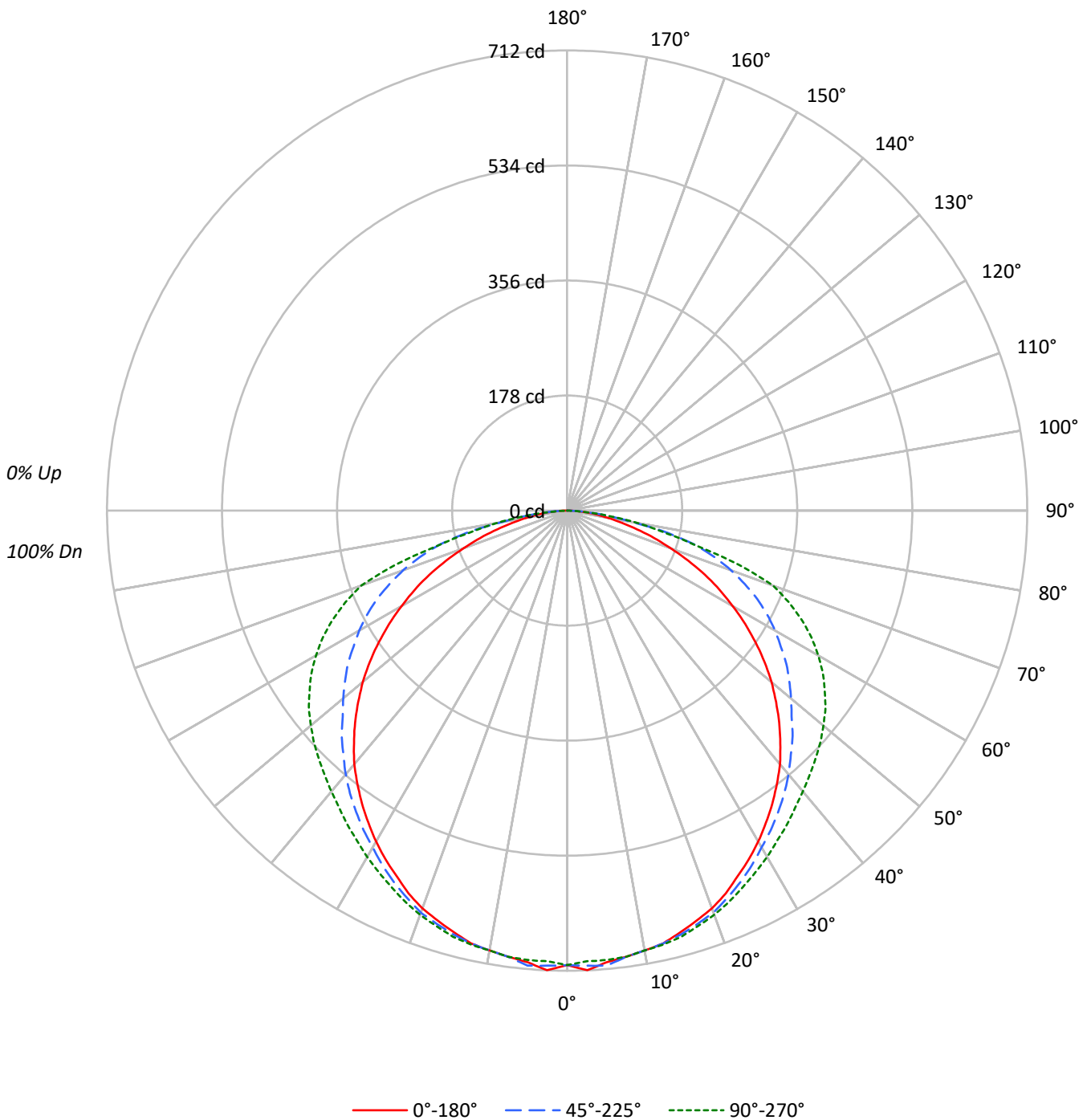
Lumens per Lamp: N/A
Luminaire Lumens: 2213.9 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.1')
CIE Type: Direct

Input Watts (W): 30.53
Input Voltage (V): NR
Input Current (A_{in}): 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1892	1892	1892
5°	1887	1897	1877
10°	1872	1865	1872
15°	1858	1857	1877
20°	1842	1848	1871
25°	1811	1824	1866
30°	1786	1797	1869
35°	1757	1781	1883
40°	1727	1767	1913
45°	1682	1754	1969
50°	1630	1746	2045
55°	1558	1766	2131
60°	1465	1781	2222
65°	1354	1796	2304
70°	1177	1778	2343
75°	980	1683	1778
80°	768	1122	1328
85°	540	587	607



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	3.0
10°-20°	191.7	8.7
20°-30°	292.2	13.2
30°-40°	357.5	16.1
40°-50°	384.7	17.4
50°-60°	372.6	16.8
60°-70°	315.6	14.3
70°-80°	190.8	8.6
80°-90°	41.9	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°	550.7	24.9
0°-40°	908.2	41.0
0°-60°	1665.6	75.2
0°-90°	2213.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2213.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	703	703	703	703	703	
5°	702	702	707	703	698	67
15°	676	677	679	681	683	191
25°	624	628	634	640	643	288
35°	554	557	569	585	593	346
45°	464	473	493	524	543	358
55°	356	371	414	462	487	318
65°	236	261	325	376	401	232
75°	112	151	205	208	203	120
85°	28	33	34	33	31	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	703.2	703.2	703.2	703.2	703.2
2.5°	711.8	710.1	704.9	701.5	698.0
5°	701.5	701.5	706.6	703.2	698.0
7.5°	696.3	696.3	696.3	704.9	696.3
10°	691.2	692.9	691.2	698.0	691.2
12.5°	686.0	686.0	686.0	687.7	687.7
15°	675.7	677.4	679.1	680.8	682.6
17.5°	665.4	667.1	670.5	672.3	674.0
20°	655.1	656.8	661.9	661.9	665.4
22.5°	641.3	641.3	648.2	649.9	655.1
25°	624.1	627.5	634.4	639.6	643.0
27.5°	608.6	612.1	619.0	625.8	631.0
30°	591.4	594.9	601.8	612.1	619.0
32.5°	572.5	576.0	586.3	598.3	605.2
35°	553.6	557.1	569.1	584.6	593.2
37.5°	533.0	538.1	551.9	569.1	579.4
40°	512.4	517.5	533.0	551.9	567.4
42.5°	488.3	495.2	512.4	538.1	555.3
45°	464.2	472.8	493.4	524.4	543.3
47.5°	438.4	447.0	471.1	510.6	531.3
50°	412.6	423.0	452.2	495.2	517.5
52.5°	385.1	395.4	433.3	479.7	503.8
55°	355.9	371.4	414.4	462.5	486.6
57.5°	326.7	343.9	392.0	443.6	469.4
60°	295.7	316.4	371.4	423.0	448.7
62.5°	266.5	288.8	349.0	400.6	426.4
65°	235.5	261.3	324.9	376.5	400.6
67.5°	202.9	235.5	297.4	347.3	371.4
70°	170.2	208.0	269.9	316.4	338.7
72.5°	141.0	180.5	239.0	278.5	278.5
75°	111.8	151.3	204.6	208.0	202.9
77.5°	86.0	123.8	159.9	146.1	149.6
80°	63.6	94.6	101.4	106.6	110.0
82.5°	43.0	63.6	65.3	68.8	68.8
85°	27.5	32.7	34.4	32.7	30.9
87.5°	12.0	13.8	10.3	6.9	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)