

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-LD5-29-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-LD5-29-RDP-UNV-L850-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2003.8 lumens
Efficiency: N/A
Efficacy: 85.3 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

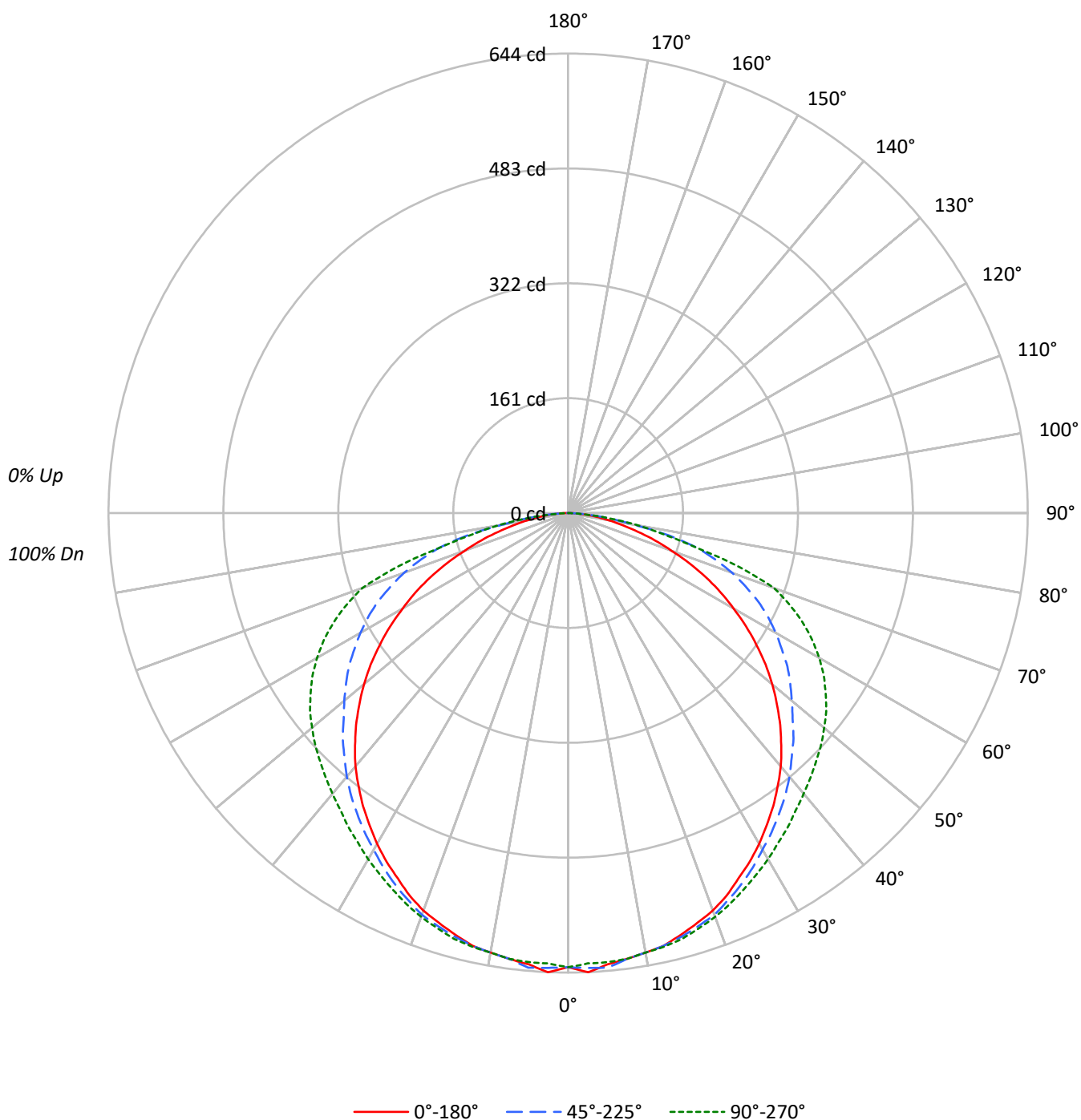
Input Watts (W): 23.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-29-RDP-UNV-L850-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-29-RDP-UNV-L850-CD1-U

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°	1713	1713	1713
5°	1708	1717	1699
10°	1695	1688	1695
15°	1681	1681	1698
20°	1668	1673	1694
25°	1639	1650	1689
30°	1617	1626	1692
35°	1590	1612	1704
40°	1563	1600	1731
45°	1523	1587	1782
50°	1476	1580	1851
55°	1410	1598	1928
60°	1326	1612	2011
65°	1226	1626	2085
70°	1066	1609	2121
75°	886	1524	1609
80°	695	1015	1202
85°	489	531	550



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-29-RDP-UNV-L850-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	3.0
10°-20°	173.5	8.7
20°-30°	264.5	13.2
30°-40°	323.6	16.1
40°-50°	348.2	17.4
50°-60°	337.3	16.8
60°-70°	285.7	14.3
70°-80°	172.7	8.6
80°-90°	37.9	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°	498.4	24.9
0°-40°	822.0	41.0
0°-60°	1507.5	75.2
0°-90°	2003.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2003.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	636	636	636	636	636	
5°	635	635	640	636	632	60
15°	612	613	615	616	618	173
25°	565	568	574	579	582	261
35°	501	504	515	529	537	313
45°	420	428	447	475	492	324
55°	322	336	375	419	440	288
65°	213	236	294	341	363	210
75°	101	137	185	188	184	109
85°	25	30	31	30	28	28
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-29-RDP-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	636.5	636.5	636.5	636.5	636.5
2.5°	644.2	642.7	638.0	634.9	631.8
5°	634.9	634.9	639.6	636.5	631.8
7.5°	630.2	630.2	630.2	638.0	630.2
10°	625.6	627.1	625.6	631.8	625.6
12.5°	620.9	620.9	620.9	622.5	622.5
15°	611.6	613.1	614.7	616.2	617.8
17.5°	602.2	603.8	606.9	608.4	610.0
20°	592.9	594.4	599.1	599.1	602.2
22.5°	580.4	580.4	586.7	588.2	592.9
25°	564.9	568.0	574.2	578.9	582.0
27.5°	550.9	554.0	560.2	566.4	571.1
30°	535.3	538.4	544.6	554.0	560.2
32.5°	518.2	521.3	530.6	541.5	547.8
35°	501.1	504.2	515.1	529.1	536.9
37.5°	482.4	487.1	499.5	515.1	524.4
40°	463.7	468.4	482.4	499.5	513.5
42.5°	441.9	448.2	463.7	487.1	502.6
45°	420.2	427.9	446.6	474.6	491.7
47.5°	396.8	404.6	426.4	462.2	480.8
50°	373.5	382.8	409.3	448.2	468.4
52.5°	348.6	357.9	392.1	434.2	455.9
55°	322.1	336.1	375.0	418.6	440.4
57.5°	295.7	311.2	354.8	401.5	424.8
60°	267.7	286.3	336.1	382.8	406.1
62.5°	241.2	261.4	315.9	362.6	385.9
65°	213.2	236.5	294.1	340.8	362.6
67.5°	183.6	213.2	269.2	314.3	336.1
70°	154.1	188.3	244.3	286.3	306.6
72.5°	127.6	163.4	216.3	252.1	252.1
75°	101.1	136.9	185.2	188.3	183.6
77.5°	77.8	112.0	144.7	132.3	135.4
80°	57.6	85.6	91.8	96.5	99.6
82.5°	38.9	57.6	59.1	62.2	62.2
85°	24.9	29.6	31.1	29.6	28.0
87.5°	10.9	12.4	9.3	6.2	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)