

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-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-LD5-29-RDP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1816.1 lumens
Efficiency: N/A
Efficacy: 77.3 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

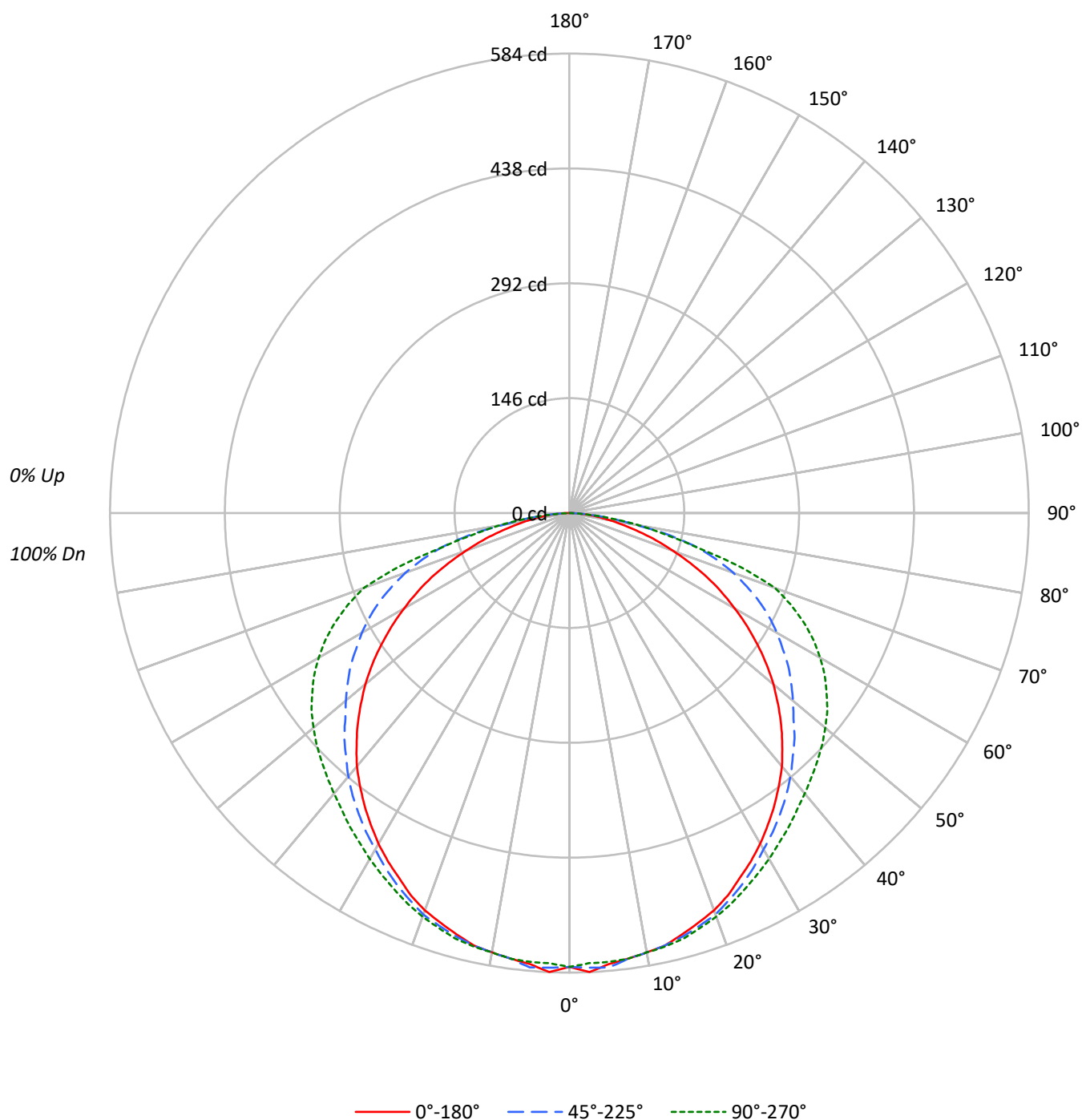
Input Watts (W): 23.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-29-RDP-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-29-RDP-UNV-L835-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°	1552	1552	1552
5°	1548	1556	1540
10°	1536	1530	1536
15°	1524	1523	1539
20°	1511	1516	1535
25°	1486	1496	1531
30°	1465	1474	1533
35°	1441	1461	1544
40°	1417	1450	1569
45°	1380	1439	1615
50°	1337	1432	1677
55°	1278	1448	1748
60°	1202	1460	1823
65°	1111	1474	1890
70°	966	1459	1922
75°	803	1380	1458
80°	630	920	1090
85°	444	482	499



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-29-RDP-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	3.0
10°-20°	157.3	8.7
20°-30°	239.7	13.2
30°-40°	293.3	16.1
40°-50°	315.6	17.4
50°-60°	305.7	16.8
60°-70°	258.9	14.3
70°-80°	156.5	8.6
80°-90°	34.4	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°	451.8	24.9
0°-40°	745.0	41.0
0°-60°	1366.3	75.2
0°-90°	1816.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1816.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	577	577	577	577	577	
5°	575	575	580	577	573	55
15°	554	556	557	558	560	157
25°	512	515	520	525	528	236
35°	454	457	467	480	487	284
45°	381	388	405	430	446	293
55°	292	305	340	379	399	261
65°	193	214	267	309	329	190
75°	92	124	168	171	166	99
85°	23	27	28	27	25	26
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-29-RDP-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	576.8	576.8	576.8	576.8	576.8
2.5°	583.9	582.5	578.3	575.4	572.6
5°	575.4	575.4	579.7	576.8	572.6
7.5°	571.2	571.2	571.2	578.3	571.2
10°	567.0	568.4	567.0	572.6	567.0
12.5°	562.7	562.7	562.7	564.2	564.2
15°	554.3	555.7	557.1	558.5	559.9
17.5°	545.8	547.2	550.0	551.5	552.9
20°	537.4	538.8	543.0	543.0	545.8
22.5°	526.1	526.1	531.7	533.1	537.4
25°	512.0	514.8	520.4	524.7	527.5
27.5°	499.3	502.1	507.7	513.4	517.6
30°	485.2	488.0	493.6	502.1	507.7
32.5°	469.7	472.5	480.9	490.8	496.5
35°	454.1	457.0	466.8	479.5	486.6
37.5°	437.2	441.4	452.7	466.8	475.3
40°	420.3	424.5	437.2	452.7	465.4
42.5°	400.5	406.2	420.3	441.4	455.6
45°	380.8	387.9	404.8	430.2	445.7
47.5°	359.6	366.7	386.4	418.9	435.8
50°	338.5	347.0	370.9	406.2	424.5
52.5°	315.9	324.4	355.4	393.5	413.2
55°	291.9	304.6	339.9	379.4	399.1
57.5°	268.0	282.1	321.6	363.9	385.0
60°	242.6	259.5	304.6	347.0	368.1
62.5°	218.6	236.9	286.3	328.6	349.8
65°	193.2	214.4	266.6	308.9	328.6
67.5°	166.4	193.2	244.0	284.9	304.6
70°	139.6	170.7	221.4	259.5	277.8
72.5°	115.7	148.1	196.0	228.5	228.5
75°	91.7	124.1	167.8	170.7	166.4
77.5°	70.5	101.5	131.2	119.9	122.7
80°	52.2	77.6	83.2	87.4	90.3
82.5°	35.3	52.2	53.6	56.4	56.4
85°	22.6	26.8	28.2	26.8	25.4
87.5°	9.9	11.3	8.5	5.6	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)