

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-LD5-39-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-LD5-39-RDP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2463.2 lumens
Efficiency: N/A
Efficacy: 67.7 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

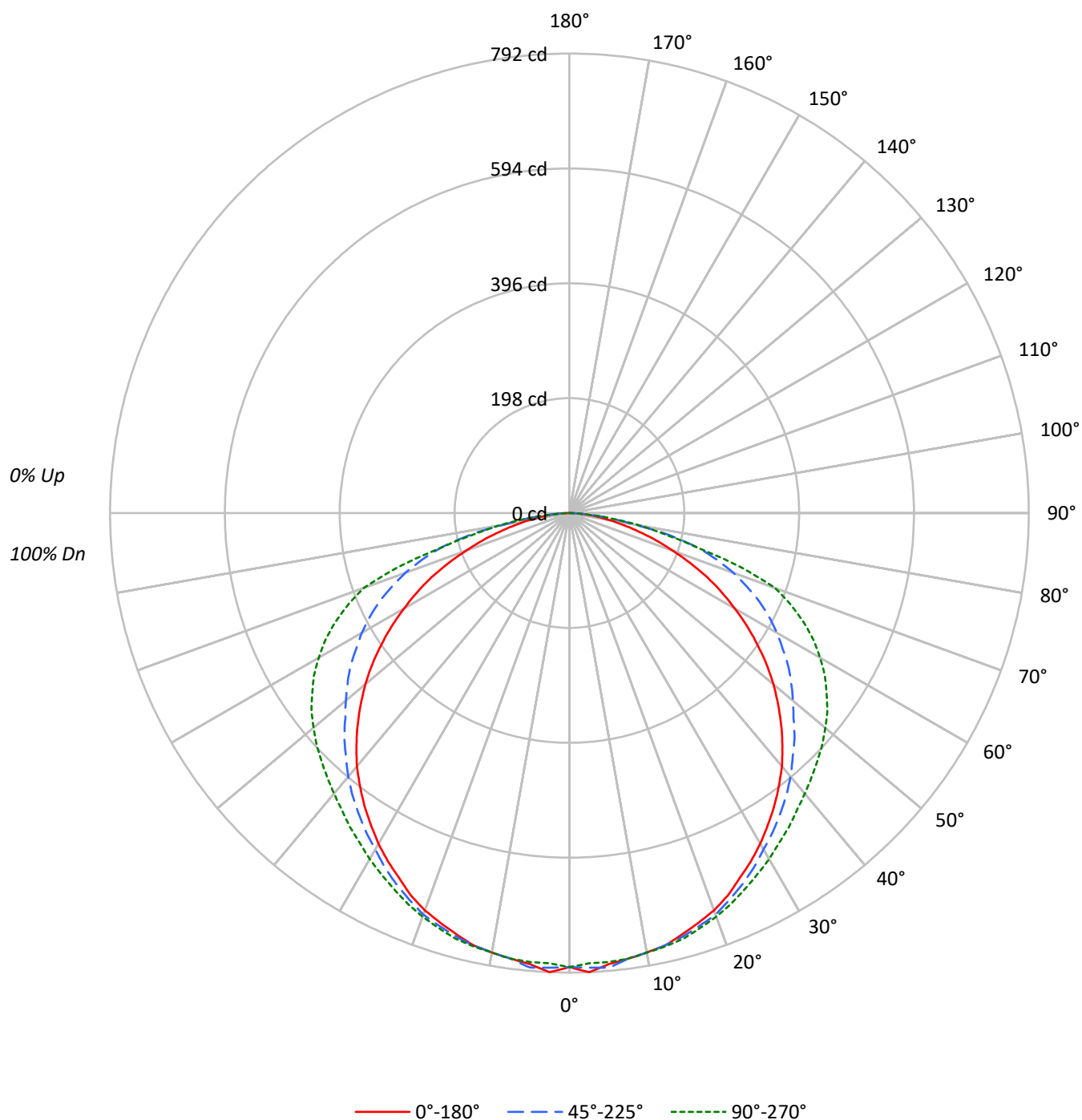
Input Watts (W): 36.41
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-39-RDP-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-39-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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		68
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		56
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		47
5	74	61	52	45	72	60	51	44	58	50	44		56	49	43		41
6	68	55	45	39	66	54	45	39	52	44	38		50	43	38		35
7	63	49	40	34	62	49	40	34	47	39	34		45	39	33		31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		28
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		25
10	51	38	30	24	50	37	30	24	36	29	24		35	29	24		22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2105	2105	2105
5°	2099	2111	2089
10°	2083	2075	2083
15°	2067	2066	2088
20°	2050	2056	2082
25°	2015	2029	2076
30°	1987	1999	2080
35°	1955	1982	2095
40°	1922	1966	2128
45°	1872	1951	2191
50°	1814	1942	2275
55°	1734	1964	2371
60°	1630	1981	2473
65°	1507	1999	2563
70°	1310	1978	2607
75°	1089	1872	1978
80°	855	1249	1478
85°	601	654	676



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-39-RDP-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	3.0
10°-20°	213.3	8.7
20°-30°	325.1	13.2
30°-40°	397.8	16.1
40°-50°	428.0	17.4
50°-60°	414.6	16.8
60°-70°	351.2	14.3
70°-80°	212.3	8.6
80°-90°	46.6	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°	612.7	24.9
0°-40°	1010.5	41.0
0°-60°	1853.1	75.2
0°-90°	2463.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2463.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	782	782	782	782	782	
5°	780	780	786	782	777	74
15°	752	754	756	758	759	212
25°	694	698	706	712	715	321
35°	616	620	633	650	660	385
45°	516	526	549	583	604	398
55°	396	413	461	515	541	354
65°	262	291	362	419	446	258
75°	124	168	228	232	226	134
85°	31	36	38	36	34	35
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-39-RDP-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	782.4	782.4	782.4	782.4	782.4
2.5°	792.0	790.0	784.3	780.5	776.7
5°	780.5	780.5	786.2	782.4	776.7
7.5°	774.7	774.7	774.7	784.3	774.7
10°	769.0	770.9	769.0	776.7	769.0
12.5°	763.3	763.3	763.3	765.2	765.2
15°	751.8	753.7	755.6	757.5	759.4
17.5°	740.3	742.2	746.0	748.0	749.9
20°	728.8	730.7	736.5	736.5	740.3
22.5°	713.5	713.5	721.2	723.1	728.8
25°	694.4	698.2	705.9	711.6	715.4
27.5°	677.2	681.0	688.7	696.3	702.0
30°	658.0	661.9	669.5	681.0	688.7
32.5°	637.0	640.8	652.3	665.7	673.4
35°	616.0	619.8	633.2	650.4	660.0
37.5°	593.0	598.7	614.1	633.2	644.7
40°	570.1	575.8	593.0	614.1	631.3
42.5°	543.3	550.9	570.1	598.7	617.9
45°	516.5	526.1	549.0	583.4	604.5
47.5°	487.8	497.4	524.1	568.1	591.1
50°	459.1	470.6	503.1	550.9	575.8
52.5°	428.5	440.0	482.1	533.7	560.5
55°	396.0	413.2	461.0	514.6	541.4
57.5°	363.5	382.6	436.1	493.5	522.2
60°	329.0	352.0	413.2	470.6	499.3
62.5°	296.5	321.4	388.3	445.7	474.4
65°	262.1	290.8	361.5	418.9	445.7
67.5°	225.7	262.1	330.9	386.4	413.2
70°	189.4	231.5	300.3	352.0	376.8
72.5°	156.9	200.9	265.9	309.9	309.9
75°	124.3	168.3	227.6	231.5	225.7
77.5°	95.6	137.7	177.9	162.6	166.4
80°	70.8	105.2	112.9	118.6	122.4
82.5°	47.8	70.8	72.7	76.5	76.5
85°	30.6	36.3	38.3	36.3	34.4
87.5°	13.4	15.3	11.5	7.7	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)