

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-LD5-44-RDP-UNV-L830-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-LD5-44-RDP-UNV-L830-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2483.5 lumens
Efficiency: N/A
Efficacy: 59.4 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

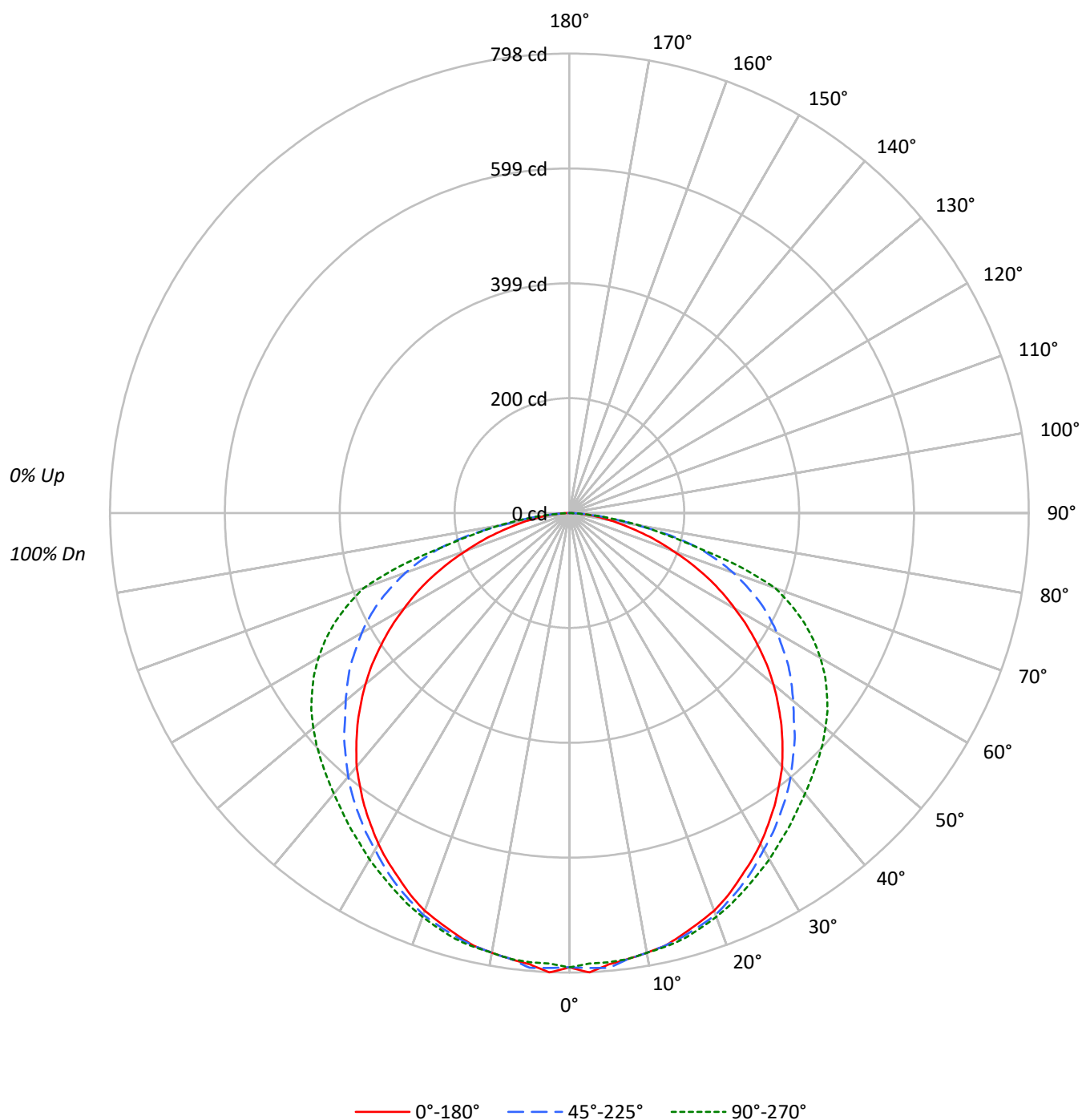
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-44-RDP-UNV-L830-CD1-U

Luminous Intensity Polar Plot



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-44-RDP-UNV-L830-CD1-U

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	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°	2123	2123	2123
5°	2116	2128	2106
10°	2100	2092	2100
15°	2084	2083	2105
20°	2067	2073	2099
25°	2031	2045	2093
30°	2004	2015	2097
35°	1971	1998	2112
40°	1938	1982	2146
45°	1887	1968	2209
50°	1829	1958	2294
55°	1748	1981	2390
60°	1643	1997	2493
65°	1519	2015	2584
70°	1321	1995	2628
75°	1099	1888	1994
80°	861	1259	1490
85°	607	659	682



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-44-RDP-UNV-L830-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	3.0
10°-20°	215.1	8.7
20°-30°	327.8	13.2
30°-40°	401.1	16.1
40°-50°	431.5	17.4
50°-60°	418.0	16.8
60°-70°	354.1	14.3
70°-80°	214.1	8.6
80°-90°	47.0	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°	617.7	24.9
0°-40°	1018.8	41.0
0°-60°	1868.3	75.2
0°-90°	2483.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2483.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	789	789	789	789	789	
5°	787	787	793	789	783	75
15°	758	760	762	764	766	214
25°	700	704	712	717	721	323
35°	621	625	638	656	665	388
45°	521	530	554	588	609	401
55°	399	417	465	519	546	357
65°	264	293	364	422	449	260
75°	125	170	230	233	228	135
85°	31	37	39	37	35	35
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 22CZ-LD5-44-RDP-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	788.8	788.8	788.8	788.8	788.8
2.5°	798.5	796.6	790.8	786.9	783.0
5°	786.9	786.9	792.7	788.8	783.0
7.5°	781.1	781.1	781.1	790.8	781.1
10°	775.3	777.3	775.3	783.0	775.3
12.5°	769.5	769.5	769.5	771.5	771.5
15°	758.0	759.9	761.8	763.7	765.7
17.5°	746.4	748.3	752.2	754.1	756.0
20°	734.8	736.7	742.5	742.5	746.4
22.5°	719.3	719.3	727.1	729.0	734.8
25°	700.1	703.9	711.6	717.4	721.3
27.5°	682.8	686.6	694.4	702.0	707.8
30°	663.5	667.3	675.1	686.6	694.4
32.5°	642.2	646.1	657.7	671.2	678.9
35°	621.0	624.9	638.4	655.8	665.4
37.5°	597.8	603.6	619.1	638.4	650.0
40°	574.8	580.5	597.8	619.1	636.5
42.5°	547.8	555.5	574.8	603.6	622.9
45°	520.7	530.4	553.6	588.2	609.4
47.5°	491.8	501.4	528.5	572.8	595.9
50°	462.8	474.4	507.2	555.5	580.5
52.5°	432.1	443.6	486.0	538.1	565.1
55°	399.2	416.6	464.8	518.8	545.8
57.5°	366.4	385.7	439.8	497.6	526.5
60°	331.7	354.8	416.6	474.4	503.4
62.5°	299.0	324.0	391.5	449.4	478.3
65°	264.2	293.2	364.5	422.4	449.4
67.5°	227.6	264.2	333.6	389.6	416.6
70°	191.0	233.3	302.8	354.8	379.9
72.5°	158.2	202.5	268.1	312.5	312.5
75°	125.4	169.8	229.5	233.3	227.6
77.5°	96.4	138.9	179.4	164.0	167.8
80°	71.3	106.1	113.8	119.6	123.4
82.5°	48.3	71.3	73.2	77.1	77.1
85°	30.9	36.7	38.6	36.7	34.7
87.5°	13.5	15.4	11.6	7.7	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)