

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-LD5-20-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-LD5-20-RDP-UNV-L830-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1168.6 lumens
Efficiency: N/A
Efficacy: 71.3 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

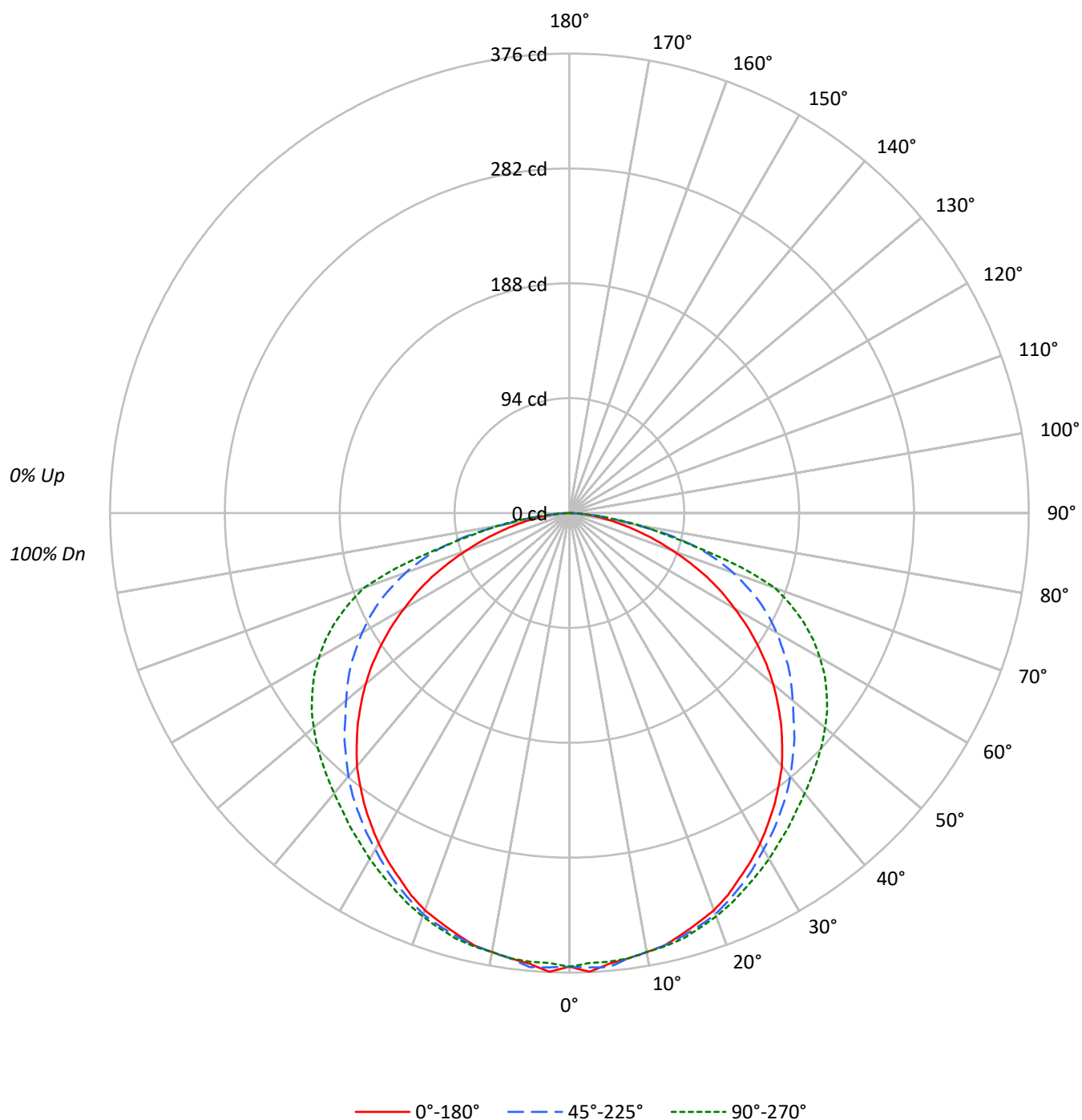
Input Watts (W): 16.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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°	999	999	999
5°	996	1001	991
10°	988	985	988
15°	980	980	990
20°	973	975	988
25°	956	963	985
30°	943	948	987
35°	927	940	994
40°	912	933	1010
45°	888	926	1039
50°	861	921	1079
55°	823	932	1125
60°	773	940	1173
65°	715	949	1216
70°	622	939	1237
75°	517	888	938
80°	404	593	700
85°	285	309	320



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	3.0
10°-20°	101.2	8.7
20°-30°	154.2	13.2
30°-40°	188.7	16.1
40°-50°	203.0	17.4
50°-60°	196.7	16.8
60°-70°	166.6	14.3
70°-80°	100.7	8.6
80°-90°	22.1	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°	290.7	24.9
0°-40°	479.4	41.0
0°-60°	879.1	75.2
0°-90°	1168.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1168.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	371	371	371	371	371	
5°	370	370	373	371	368	35
15°	357	358	358	359	360	101
25°	330	331	335	338	339	152
35°	292	294	300	309	313	183
45°	245	250	260	277	287	189
55°	188	196	219	244	257	168
65°	124	138	172	199	212	122
75°	59	80	108	110	107	63
85°	14	17	18	17	16	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	371.2	371.2	371.2	371.2	371.2
2.5°	375.7	374.8	372.1	370.3	368.5
5°	370.3	370.3	373.0	371.2	368.5
7.5°	367.6	367.6	367.6	372.1	367.6
10°	364.8	365.8	364.8	368.5	364.8
12.5°	362.1	362.1	362.1	363.0	363.0
15°	356.6	357.6	358.4	359.4	360.3
17.5°	351.2	352.2	354.0	354.8	355.8
20°	345.8	346.7	349.4	349.4	351.2
22.5°	338.5	338.5	342.2	343.0	345.8
25°	329.5	331.3	334.9	337.6	339.4
27.5°	321.3	323.1	326.7	330.3	333.1
30°	312.2	314.0	317.7	323.1	326.7
32.5°	302.2	304.0	309.5	315.8	319.5
35°	292.2	294.0	300.4	308.6	313.1
37.5°	281.3	284.0	291.4	300.4	305.8
40°	270.5	273.1	281.3	291.4	299.5
42.5°	257.7	261.3	270.5	284.0	293.2
45°	245.0	249.6	260.5	276.8	286.8
47.5°	231.4	236.0	248.7	269.5	280.4
50°	217.8	223.2	238.6	261.3	273.1
52.5°	203.3	208.7	228.7	253.2	265.9
55°	187.9	196.0	218.7	244.2	256.9
57.5°	172.4	181.5	206.9	234.2	247.8
60°	156.1	167.0	196.0	223.2	236.8
62.5°	140.7	152.5	184.2	211.5	225.1
65°	124.4	137.9	171.6	198.7	211.5
67.5°	107.1	124.4	157.0	183.4	196.0
70°	89.9	109.8	142.5	167.0	178.8
72.5°	74.4	95.3	126.2	147.1	147.1
75°	59.0	79.9	108.0	109.8	107.1
77.5°	45.4	65.4	84.4	77.1	78.9
80°	33.5	49.9	53.6	56.2	58.0
82.5°	22.7	33.5	34.5	36.3	36.3
85°	14.5	17.3	18.1	17.3	16.3
87.5°	6.4	7.2	5.4	3.6	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)