

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-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-LD5-20-RDP-UNV-L850-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1441.8 lumens
Efficiency: N/A
Efficacy: 88.0 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

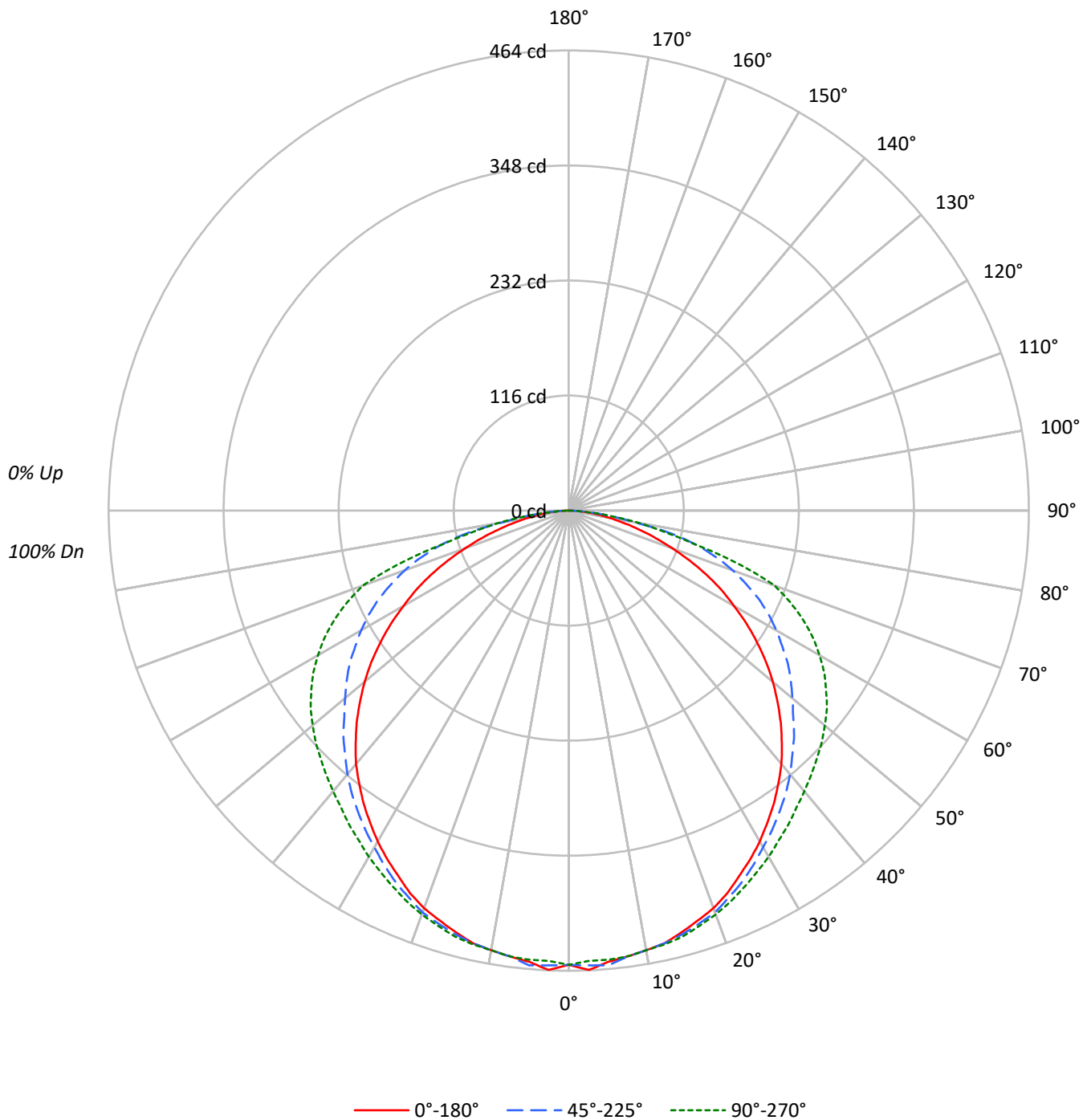
Input Watts (W): 16.38
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10
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°	1232	1232	1232
5°	1229	1235	1223
10°	1219	1215	1219
15°	1210	1209	1222
20°	1200	1204	1219
25°	1179	1188	1215
30°	1163	1170	1217
35°	1145	1160	1226
40°	1125	1151	1246
45°	1096	1142	1282
50°	1062	1137	1331
55°	1015	1150	1388
60°	954	1160	1447
65°	882	1170	1500
70°	767	1158	1526
75°	638	1096	1157
80°	500	731	866
85°	352	382	397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	3.0
10°-20°	124.9	8.7
20°-30°	190.3	13.2
30°-40°	232.8	16.1
40°-50°	250.5	17.4
50°-60°	242.7	16.8
60°-70°	205.6	14.3
70°-80°	124.3	8.6
80°-90°	27.3	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°	358.7	24.9
0°-40°	591.5	41.0
0°-60°	1084.7	75.2
0°-90°	1441.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1441.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	458	458	458	458	458	
5°	457	457	460	458	455	43
15°	440	441	442	443	444	124
25°	406	409	413	416	419	188
35°	361	363	371	381	386	226
45°	302	308	321	342	354	233
55°	232	242	270	301	317	207
65°	153	170	212	245	261	151
75°	73	98	133	136	132	78
85°	18	21	22	21	20	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	458.0	458.0	458.0	458.0	458.0
2.5°	463.6	462.4	459.1	456.8	454.6
5°	456.8	456.8	460.2	458.0	454.6
7.5°	453.5	453.5	453.5	459.1	453.5
10°	450.1	451.2	450.1	454.6	450.1
12.5°	446.8	446.8	446.8	447.9	447.9
15°	440.1	441.2	442.3	443.4	444.5
17.5°	433.3	434.5	436.7	437.8	438.9
20°	426.6	427.7	431.1	431.1	433.3
22.5°	417.7	417.7	422.1	423.3	426.6
25°	406.5	408.7	413.2	416.5	418.8
27.5°	396.4	398.6	403.1	407.6	410.9
30°	385.2	387.4	391.9	398.6	403.1
32.5°	372.9	375.1	381.8	389.7	394.1
35°	360.6	362.8	370.6	380.7	386.3
37.5°	347.1	350.5	359.4	370.6	377.3
40°	333.7	337.0	347.1	359.4	369.5
42.5°	318.0	322.5	333.7	350.5	361.7
45°	302.3	307.9	321.4	341.5	353.8
47.5°	285.5	291.1	306.8	332.6	346.0
50°	268.7	275.5	294.5	322.5	337.0
52.5°	250.8	257.5	282.2	312.4	328.1
55°	231.8	241.9	269.9	301.2	316.9
57.5°	212.7	223.9	255.3	288.9	305.7
60°	192.6	206.0	241.9	275.5	292.2
62.5°	173.6	188.1	227.3	260.9	277.7
65°	153.4	170.2	211.6	245.2	260.9
67.5°	132.1	153.4	193.7	226.2	241.9
70°	110.9	135.5	175.8	206.0	220.6
72.5°	91.8	117.6	155.6	181.4	181.4
75°	72.8	98.5	133.2	135.5	132.1
77.5°	56.0	80.6	104.1	95.2	97.4
80°	41.4	61.6	66.1	69.4	71.7
82.5°	28.0	41.4	42.5	44.8	44.8
85°	17.9	21.3	22.4	21.3	20.2
87.5°	7.8	9.0	6.7	4.5	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)