

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-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-LD5-44-RDP-UNV-L850-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3064.1 lumens
Efficiency: N/A
Efficacy: 73.3 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

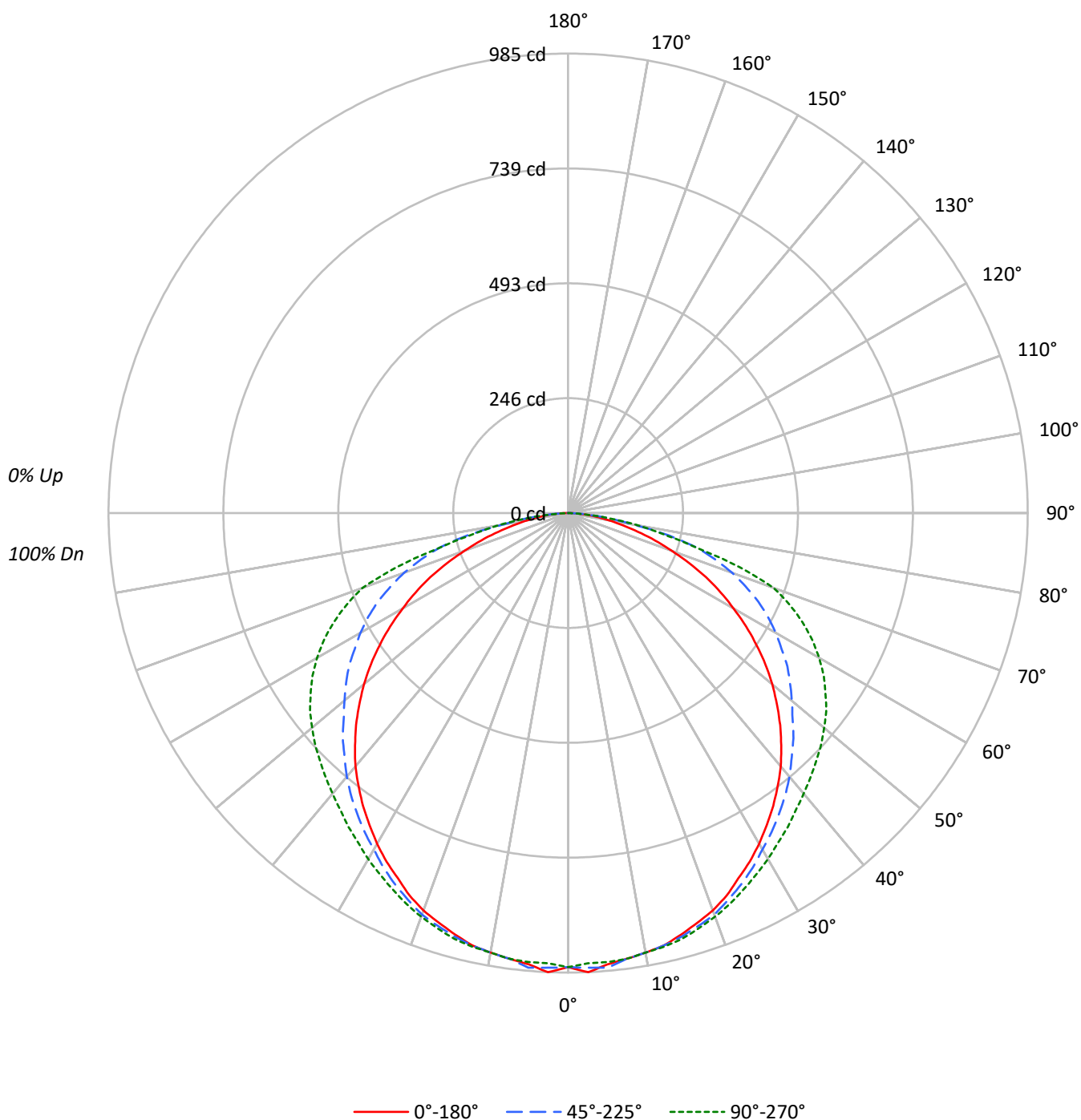
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2619	2619	2619
5°	2611	2626	2598
10°	2591	2582	2591
15°	2571	2570	2597
20°	2550	2558	2590
25°	2506	2524	2582
30°	2472	2486	2587
35°	2432	2465	2606
40°	2391	2446	2648
45°	2329	2427	2725
50°	2256	2416	2830
55°	2157	2444	2949
60°	2027	2464	3076
65°	1875	2486	3188
70°	1630	2461	3243
75°	1355	2330	2460
80°	1062	1553	1839
85°	749	813	841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	3.0
10°-20°	265.4	8.7
20°-30°	404.4	13.2
30°-40°	494.8	16.1
40°-50°	532.4	17.4
50°-60°	515.7	16.8
60°-70°	436.9	14.3
70°-80°	264.1	8.6
80°-90°	58.0	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°	762.2	24.9
0°-40°	1257.0	41.0
0°-60°	2305.1	75.2
0°-90°	3064.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3064.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	973	973	973	973	973	
5°	971	971	978	973	966	92
15°	935	938	940	942	945	264
25°	864	868	878	885	890	399
35°	766	771	788	809	821	479
45°	642	654	683	726	752	495
55°	493	514	574	640	673	440
65°	326	362	450	521	554	321
75°	155	209	283	288	281	166
85°	38	45	48	45	43	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	973.2	973.2	973.2	973.2	973.2
2.5°	985.1	982.8	975.6	970.9	966.1
5°	970.9	970.9	978.0	973.2	966.1
7.5°	963.7	963.7	963.7	975.6	963.7
10°	956.6	959.0	956.6	966.1	956.6
12.5°	949.4	949.4	949.4	951.8	951.8
15°	935.2	937.5	939.9	942.3	944.7
17.5°	920.9	923.3	928.0	930.4	932.8
20°	906.6	909.0	916.1	916.1	920.9
22.5°	887.6	887.6	897.1	899.5	906.6
25°	863.8	868.5	878.1	885.2	890.0
27.5°	842.4	847.1	856.6	866.2	873.3
30°	818.6	823.3	832.8	847.1	856.6
32.5°	792.4	797.1	811.4	828.1	837.6
35°	766.2	771.0	787.6	809.0	820.9
37.5°	737.7	744.8	763.8	787.6	801.9
40°	709.1	716.2	737.7	763.8	785.3
42.5°	675.8	685.3	709.1	744.8	768.6
45°	642.5	654.4	682.9	725.8	751.9
47.5°	606.8	618.7	652.0	706.7	735.3
50°	571.1	585.4	625.8	685.3	716.2
52.5°	533.0	547.3	599.6	663.9	697.2
55°	492.6	514.0	573.5	640.1	673.4
57.5°	452.1	475.9	542.5	613.9	649.6
60°	409.3	437.8	514.0	585.4	621.1
62.5°	368.8	399.8	483.0	554.4	590.1
65°	326.0	361.7	449.7	521.1	554.4
67.5°	280.8	326.0	411.7	480.7	514.0
70°	235.6	287.9	373.6	437.8	468.8
72.5°	195.1	249.9	330.8	385.5	385.5
75°	154.7	209.4	283.2	287.9	280.8
77.5°	119.0	171.3	221.3	202.3	207.0
80°	88.0	130.9	140.4	147.5	152.3
82.5°	59.5	88.0	90.4	95.2	95.2
85°	38.1	45.2	47.6	45.2	42.8
87.5°	16.7	19.0	14.3	9.5	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)