

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-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-LD5-20-RDP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1306.8 lumens
Efficiency: N/A
Efficacy: 79.8 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

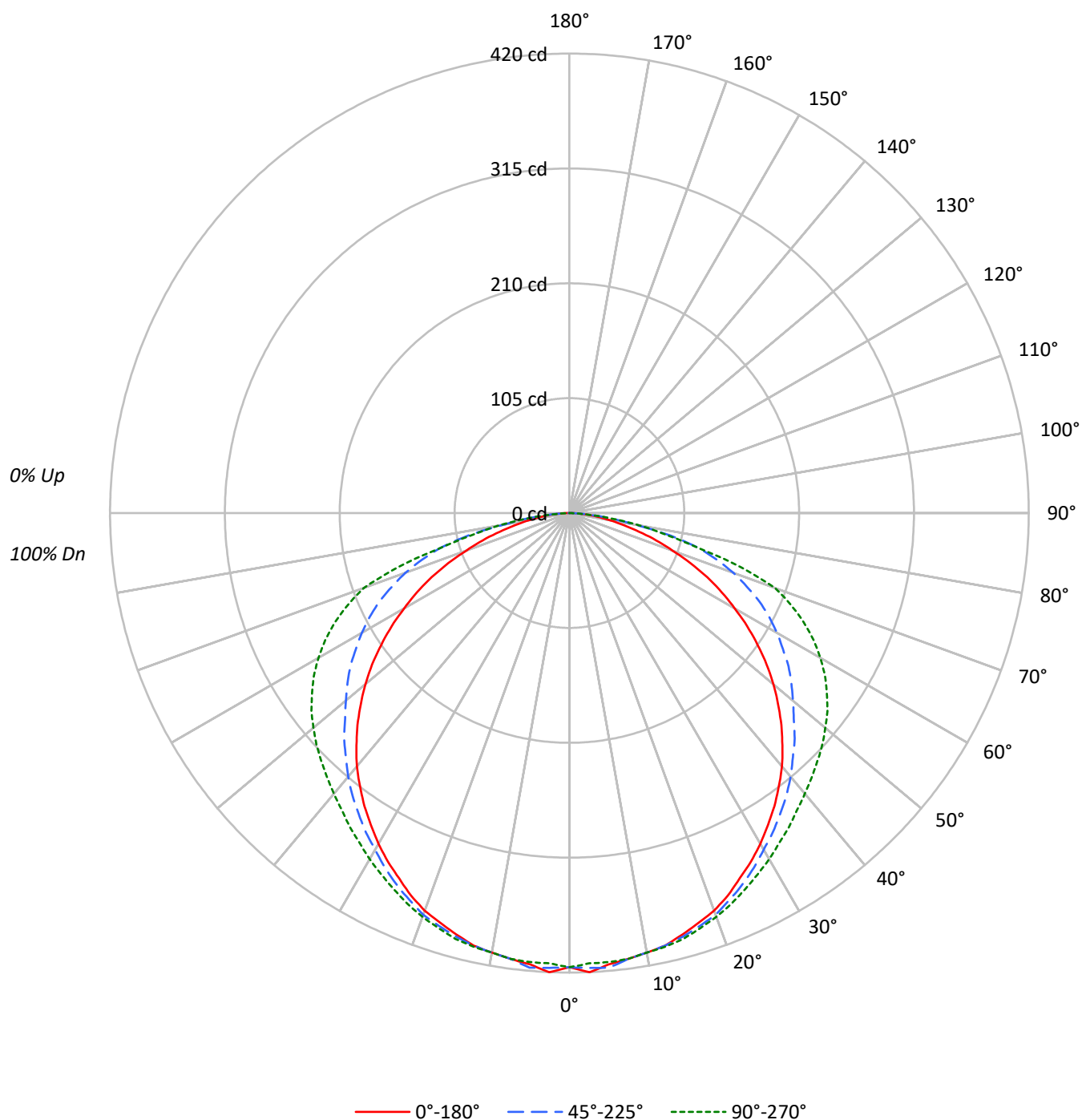
Input Watts (W): 16.38
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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°	1117	1117	1117
5°	1114	1120	1108
10°	1105	1101	1105
15°	1096	1096	1108
20°	1088	1091	1104
25°	1069	1076	1101
30°	1054	1060	1103
35°	1037	1051	1111
40°	1020	1043	1129
45°	993	1035	1162
50°	962	1031	1207
55°	920	1042	1258
60°	865	1051	1312
65°	799	1060	1360
70°	695	1049	1383
75°	578	994	1050
80°	453	663	785
85°	318	347	360



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	3.0
10°-20°	113.2	8.7
20°-30°	172.5	13.2
30°-40°	211.0	16.1
40°-50°	227.1	17.4
50°-60°	220.0	16.8
60°-70°	186.3	14.3
70°-80°	112.6	8.6
80°-90°	24.7	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°	325.1	24.9
0°-40°	536.1	41.0
0°-60°	983.1	75.2
0°-90°	1306.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1306.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	415	415	415	415	415	
5°	414	414	417	415	412	39
15°	399	400	401	402	403	113
25°	368	370	374	378	380	170
35°	327	329	336	345	350	204
45°	274	279	291	310	321	211
55°	210	219	245	273	287	188
65°	139	154	192	222	236	137
75°	66	89	121	123	120	71
85°	16	19	20	19	18	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	415.1	415.1	415.1	415.1	415.1
2.5°	420.1	419.1	416.1	414.1	412.0
5°	414.1	414.1	417.1	415.1	412.0
7.5°	411.0	411.0	411.0	416.1	411.0
10°	408.0	409.0	408.0	412.0	408.0
12.5°	404.9	404.9	404.9	405.9	405.9
15°	398.8	399.9	400.9	401.9	402.9
17.5°	392.7	393.8	395.8	396.8	397.8
20°	386.7	387.7	390.7	390.7	392.7
22.5°	378.5	378.5	382.6	383.6	386.7
25°	368.4	370.4	374.5	377.5	379.6
27.5°	359.3	361.3	365.3	369.4	372.4
30°	349.1	351.1	355.2	361.3	365.3
32.5°	337.9	340.0	346.1	353.2	357.2
35°	326.8	328.8	335.9	345.0	350.1
37.5°	314.6	317.6	325.8	335.9	342.0
40°	302.4	305.5	314.6	325.8	334.9
42.5°	288.2	292.3	302.4	317.6	327.8
45°	274.0	279.1	291.3	309.5	320.7
47.5°	258.8	263.9	278.1	301.4	313.6
50°	243.6	249.7	266.9	292.3	305.5
52.5°	227.3	233.4	255.7	283.1	297.4
55°	210.1	219.2	244.6	273.0	287.2
57.5°	192.8	203.0	231.4	261.8	277.1
60°	174.6	186.7	219.2	249.7	264.9
62.5°	157.3	170.5	206.0	236.5	251.7
65°	139.0	154.3	191.8	222.3	236.5
67.5°	119.8	139.0	175.6	205.0	219.2
70°	100.5	122.8	159.3	186.7	199.9
72.5°	83.2	106.6	141.1	164.4	164.4
75°	66.0	89.3	120.8	122.8	119.8
77.5°	50.7	73.1	94.4	86.3	88.3
80°	37.5	55.8	59.9	62.9	65.0
82.5°	25.4	37.5	38.6	40.6	40.6
85°	16.2	19.3	20.3	19.3	18.3
87.5°	7.1	8.1	6.1	4.1	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)