

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-LD5-24-SQP-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-LD5-24-SQP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1822.5 lumens
Efficiency: N/A
Efficacy: 92.9 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

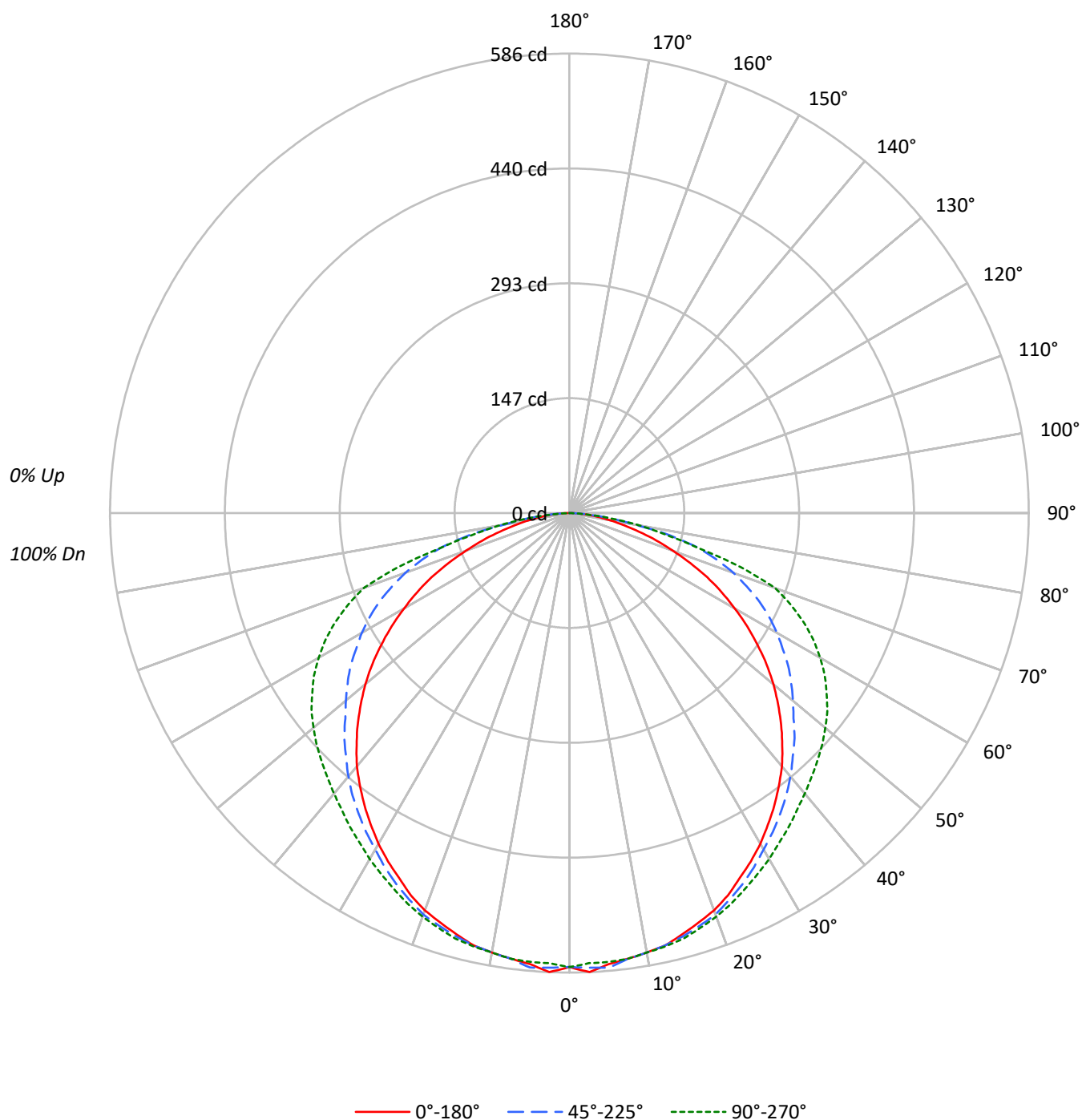
Input Watts (W): 19.62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89
2	98	89	82	76	95	87	81	75	84	78	73		80	76	71		77
3	89	78	69	62	86	76	68	62	73	66	61		70	64	59		68
4	81	68	59	52	79	67	58	52	64	57	51		62	56	50		60
5	74	61	52	45	72	60	51	44	58	50	44		56	49	43		54
6	68	55	45	39	66	54	45	39	52	44	38		50	43	38		48
7	63	49	40	34	62	49	40	34	47	39	34		45	39	33		44
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		40
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37
10	51	38	30	24	50	37	30	24	36	29	24		35	29	24		35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1558	1558	1558
5°	1553	1562	1545
10°	1541	1536	1541
15°	1529	1528	1545
20°	1516	1521	1540
25°	1491	1501	1536
30°	1470	1479	1539
35°	1446	1466	1550
40°	1422	1455	1575
45°	1385	1444	1621
50°	1342	1437	1683
55°	1283	1454	1754
60°	1206	1466	1830
65°	1115	1479	1897
70°	969	1464	1929
75°	806	1385	1463
80°	633	924	1094
85°	444	483	501



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	3.0
10°-20°	157.8	8.7
20°-30°	240.5	13.2
30°-40°	294.3	16.1
40°-50°	316.7	17.4
50°-60°	306.7	16.8
60°-70°	259.8	14.3
70°-80°	157.1	8.6
80°-90°	34.5	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°	453.3	24.9
0°-40°	747.6	41.0
0°-60°	1371.1	75.2
0°-90°	1822.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1822.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	579	579	579	579	579	
5°	577	577	582	579	575	55
15°	556	558	559	560	562	157
25°	514	517	522	526	529	237
35°	456	459	468	481	488	285
45°	382	389	406	432	447	295
55°	293	306	341	381	400	262
65°	194	215	268	310	330	191
75°	92	124	168	171	167	99
85°	23	27	28	27	26	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	578.9	578.9	578.9	578.9	578.9
2.5°	585.9	584.5	580.3	577.4	574.6
5°	577.4	577.4	581.7	578.9	574.6
7.5°	573.2	573.2	573.2	580.3	573.2
10°	569.0	570.4	569.0	574.6	569.0
12.5°	564.7	564.7	564.7	566.1	566.1
15°	556.2	557.6	559.0	560.5	561.9
17.5°	547.7	549.1	552.0	553.4	554.8
20°	539.2	540.7	544.9	544.9	547.7
22.5°	527.9	527.9	533.6	535.0	539.2
25°	513.8	516.6	522.3	526.5	529.3
27.5°	501.0	503.9	509.5	515.2	519.4
30°	486.9	489.7	495.4	503.9	509.5
32.5°	471.3	474.1	482.6	492.5	498.2
35°	455.7	458.6	468.5	481.2	488.3
37.5°	438.7	443.0	454.3	468.5	477.0
40°	421.8	426.0	438.7	454.3	467.1
42.5°	401.9	407.6	421.8	443.0	457.1
45°	382.1	389.2	406.2	431.7	447.2
47.5°	360.9	368.0	387.8	420.3	437.3
50°	339.7	348.2	372.2	407.6	426.0
52.5°	317.0	325.5	356.7	394.9	414.7
55°	293.0	305.7	341.1	380.7	400.5
57.5°	268.9	283.1	322.7	365.2	386.4
60°	243.4	260.4	305.7	348.2	369.4
62.5°	219.4	237.8	287.3	329.8	351.0
65°	193.9	215.1	267.5	310.0	329.8
67.5°	167.0	193.9	244.8	285.9	305.7
70°	140.1	171.3	222.2	260.4	278.8
72.5°	116.1	148.6	196.7	229.3	229.3
75°	92.0	124.5	168.4	171.3	167.0
77.5°	70.8	101.9	131.6	120.3	123.1
80°	52.4	77.8	83.5	87.7	90.6
82.5°	35.4	52.4	53.8	56.6	56.6
85°	22.6	26.9	28.3	26.9	25.5
87.5°	9.9	11.3	8.5	5.7	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)