

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-LD5-39-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-LD5-39-RDP-UNV-L830-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2202.8 lumens
Efficiency: N/A
Efficacy: 60.5 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

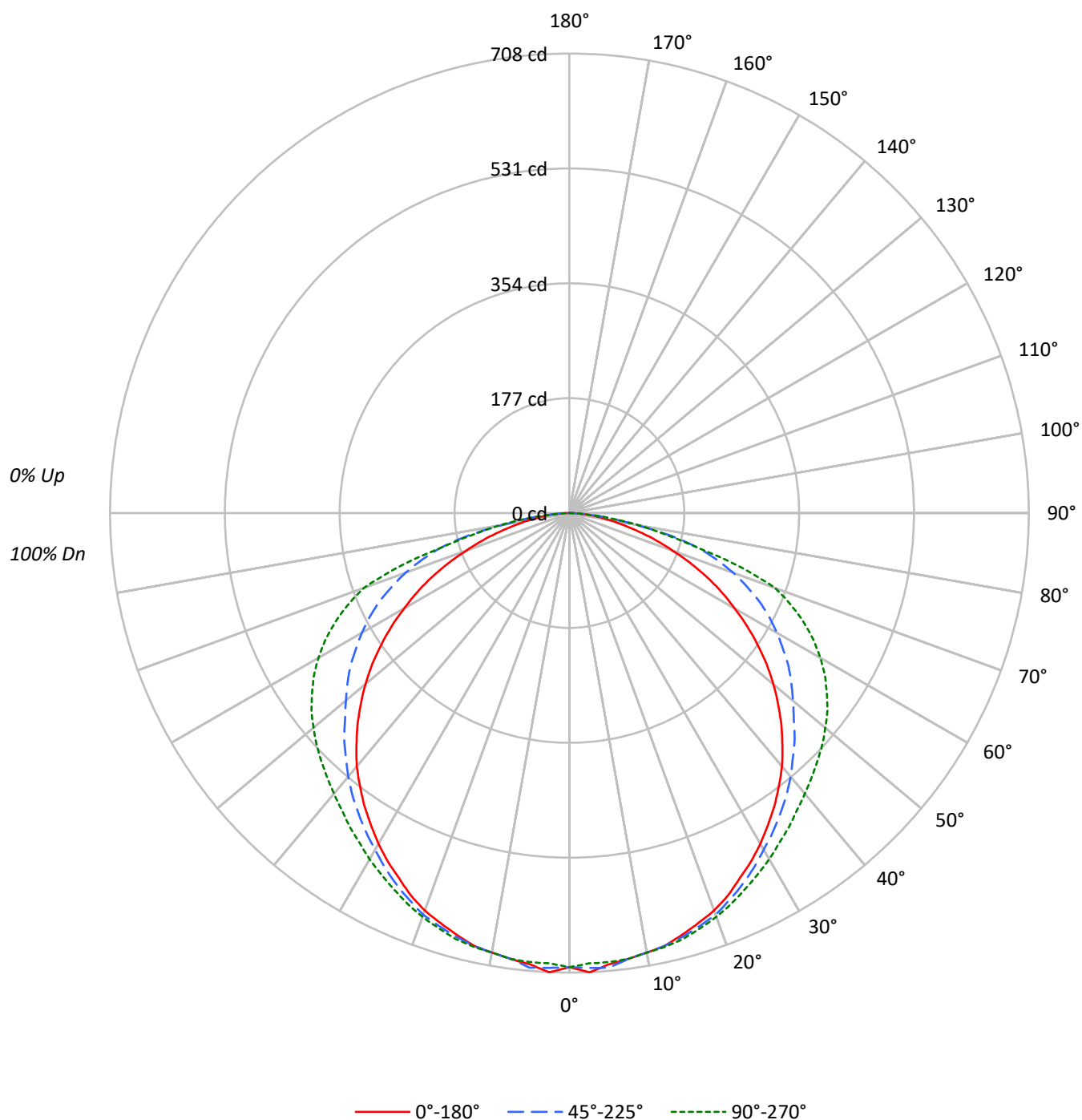
Input Watts (W): 36.41
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1883	1883	1883
5°	1877	1888	1868
10°	1863	1856	1863
15°	1848	1847	1867
20°	1833	1839	1862
25°	1802	1815	1856
30°	1777	1788	1860
35°	1748	1772	1873
40°	1719	1759	1903
45°	1674	1745	1959
50°	1622	1737	2034
55°	1551	1757	2120
60°	1457	1772	2212
65°	1348	1788	2292
70°	1172	1770	2331
75°	974	1675	1769
80°	764	1116	1321
85°	538	584	605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.4	3.0
10°-20°	190.8	8.7
20°-30°	290.7	13.2
30°-40°	355.7	16.1
40°-50°	382.7	17.4
50°-60°	370.8	16.8
60°-70°	314.1	14.3
70°-80°	189.8	8.6
80°-90°	41.7	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°	548.0	24.9
0°-40°	903.7	41.0
0°-60°	1657.2	75.2
0°-90°	2202.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2202.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	700	700	700	700	700	
5°	698	698	703	700	694	66
15°	672	674	676	677	679	190
25°	621	624	631	636	640	287
35°	551	554	566	582	590	345
45°	462	470	491	522	541	356
55°	354	370	412	460	484	316
65°	234	260	323	375	399	231
75°	111	151	204	207	202	119
85°	27	32	34	32	31	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	699.7	699.7	699.7	699.7	699.7
2.5°	708.2	706.5	701.4	698.0	694.5
5°	698.0	698.0	703.1	699.7	694.5
7.5°	692.8	692.8	692.8	701.4	692.8
10°	687.7	689.4	687.7	694.5	687.7
12.5°	682.6	682.6	682.6	684.3	684.3
15°	672.3	674.0	675.7	677.4	679.2
17.5°	662.1	663.8	667.2	668.9	670.6
20°	651.8	653.5	658.6	658.6	662.1
22.5°	638.1	638.1	645.0	646.7	651.8
25°	621.0	624.4	631.3	636.4	639.8
27.5°	605.6	609.0	615.9	622.7	627.9
30°	588.4	591.8	598.8	609.0	615.9
32.5°	569.6	573.0	583.3	595.3	602.2
35°	550.8	554.2	566.2	581.6	590.1
37.5°	530.3	535.4	549.1	566.2	576.5
40°	509.8	514.9	530.3	549.1	564.5
42.5°	485.8	492.7	509.8	535.4	552.5
45°	461.9	470.4	491.0	521.7	540.6
47.5°	436.2	444.8	468.7	508.1	528.6
50°	410.6	420.8	449.9	492.7	514.9
52.5°	383.2	393.5	431.1	477.3	501.2
55°	354.1	369.5	412.3	460.2	484.1
57.5°	325.0	342.1	390.1	441.4	467.0
60°	294.2	314.7	369.5	420.8	446.5
62.5°	265.1	287.4	347.2	398.6	424.3
65°	234.4	260.0	323.3	374.7	398.6
67.5°	201.9	234.4	295.9	345.5	369.5
70°	169.4	207.0	268.6	314.7	337.0
72.5°	140.3	179.6	237.8	277.1	277.1
75°	111.2	150.6	203.6	207.0	201.9
77.5°	85.5	123.2	159.1	145.4	148.9
80°	63.3	94.0	100.9	106.0	109.4
82.5°	42.8	63.3	65.0	68.4	68.4
85°	27.4	32.5	34.2	32.5	30.8
87.5°	12.0	13.7	10.3	6.8	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)