

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-LD5-39SE-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-LD5-39SE-RDP-UNV-L835-CD1-U  
Description:

Light Source: -  
Ballast/Driver: -

**Summary**

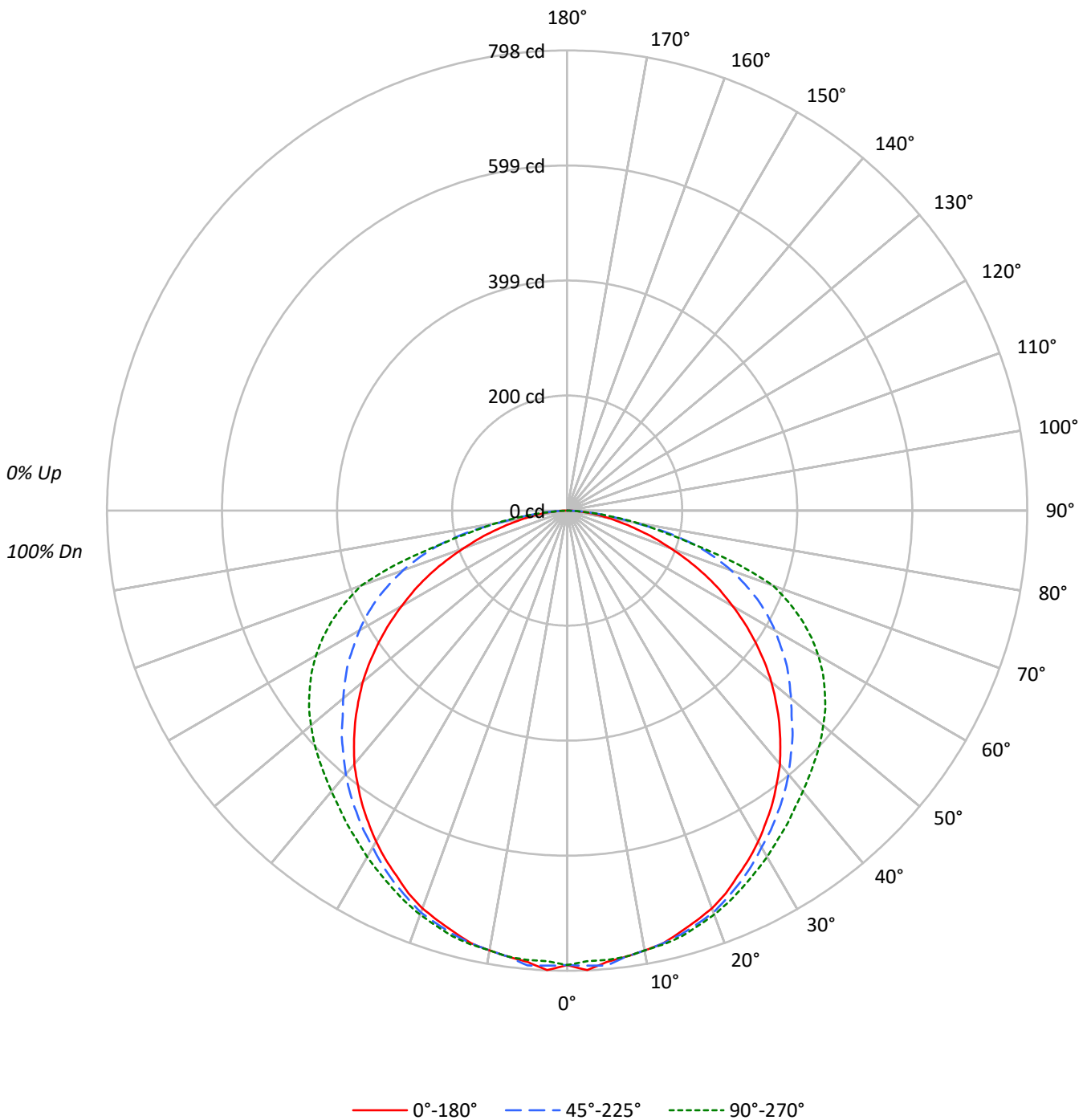
Lumens per Lamp: N/A  
Luminaire Lumens: 2480.8 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 34.88  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	29	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	35	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2120	2120	2120
5°	2114	2126	2104
10°	2098	2090	2098
15°	2081	2081	2102
20°	2064	2071	2097
25°	2029	2043	2091
30°	2001	2013	2095
35°	1969	1996	2110
40°	1936	1980	2144
45°	1885	1965	2207
50°	1827	1956	2291
55°	1746	1979	2387
60°	1641	1995	2490
65°	1518	2013	2582
70°	1319	1993	2625
75°	1097	1886	1992
80°	861	1258	1489
85°	605	657	682



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.8	3.0
10°-20°	214.9	8.7
20°-30°	327.4	13.2
30°-40°	400.6	16.1
40°-50°	431.0	17.4
50°-60°	417.5	16.8
60°-70°	353.7	14.3
70°-80°	213.8	8.6
80°-90°	47.0	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°	617.1	24.9
0°-40°	1017.7	41.0
0°-60°	1866.3	75.2
0°-90°	2480.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2480.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	788	788	788	788	788	
5°	786	786	792	788	782	75
15°	757	759	761	763	765	214
25°	699	703	711	717	720	323
35°	620	624	638	655	665	388
45°	520	530	553	588	609	401
55°	399	416	464	518	545	356
65°	264	293	364	422	449	260
75°	125	170	229	233	227	135
85°	31	37	38	37	35	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	788.0	788.0	788.0	788.0	788.0
2.5°	797.6	795.7	789.9	786.0	782.2
5°	786.0	786.0	791.8	788.0	782.2
7.5°	780.3	780.3	780.3	789.9	780.3
10°	774.5	776.4	774.5	782.2	774.5
12.5°	768.7	768.7	768.7	770.6	770.6
15°	757.1	759.1	761.0	762.9	764.8
17.5°	745.6	747.5	751.4	753.3	755.2
20°	734.0	735.9	741.7	741.7	745.6
22.5°	718.6	718.6	726.3	728.2	734.0
25°	699.3	703.2	710.9	716.7	720.5
27.5°	682.0	685.9	693.6	701.3	707.0
30°	662.7	666.6	674.3	685.9	693.6
32.5°	641.5	645.4	657.0	670.4	678.1
35°	620.4	624.2	637.7	655.0	664.7
37.5°	597.2	603.0	618.4	637.7	649.2
40°	574.1	579.9	597.2	618.4	635.8
42.5°	547.1	554.8	574.1	603.0	622.3
45°	520.2	529.8	552.9	587.6	608.8
47.5°	491.3	500.9	527.9	572.2	595.3
50°	462.4	473.9	506.7	554.8	579.9
52.5°	431.5	443.1	485.5	537.5	564.5
55°	398.8	416.1	464.3	518.2	545.2
57.5°	366.0	385.3	439.3	497.1	526.0
60°	331.4	354.5	416.1	473.9	502.8
62.5°	298.6	323.7	391.1	448.9	477.8
65°	263.9	292.8	364.1	421.9	448.9
67.5°	227.3	263.9	333.3	389.2	416.1
70°	190.7	233.1	302.5	354.5	379.5
72.5°	158.0	202.3	267.8	312.1	312.1
75°	125.2	169.5	229.3	233.1	227.3
77.5°	96.3	138.7	179.2	163.8	167.6
80°	71.3	106.0	113.7	119.4	123.3
82.5°	48.2	71.3	73.2	77.1	77.1
85°	30.8	36.6	38.5	36.6	34.7
87.5°	13.5	15.4	11.6	7.7	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)