

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-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-LD5-44-SQP-UNV-L835-CD1-U
Description:

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3270.9 lumens
Efficiency: N/A
Efficacy: 78.3 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

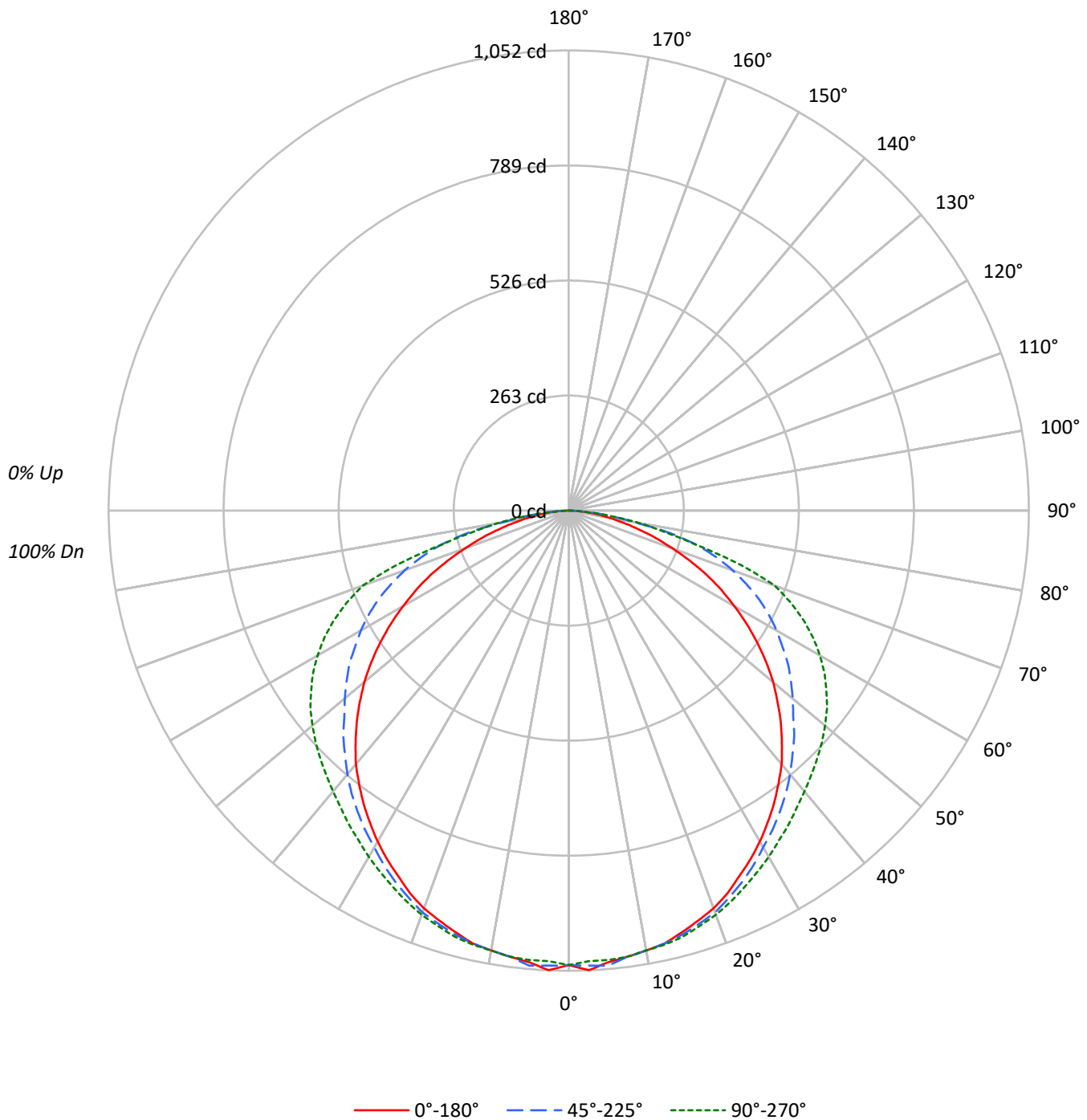
Input Watts (W): 41.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				10
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°	2796	2796	2796
5°	2787	2803	2774
10°	2766	2756	2766
15°	2744	2743	2772
20°	2722	2730	2765
25°	2675	2694	2756
30°	2639	2654	2762
35°	2596	2632	2781
40°	2552	2611	2826
45°	2486	2591	2909
50°	2409	2580	3021
55°	2302	2609	3148
60°	2164	2631	3284
65°	2001	2654	3403
70°	1740	2627	3462
75°	1447	2487	2626
80°	1135	1658	1963
85°	798	867	898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	3.0
10°-20°	283.3	8.7
20°-30°	431.7	13.2
30°-40°	528.2	16.1
40°-50°	568.3	17.4
50°-60°	550.5	16.8
60°-70°	466.3	14.3
70°-80°	281.9	8.6
80°-90°	61.9	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°	813.6	24.9
0°-40°	1341.8	41.0
0°-60°	2460.7	75.2
0°-90°	3270.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3270.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1039	1039	1039	1039	1039	
5°	1036	1036	1044	1039	1031	99
15°	998	1001	1003	1006	1008	282
25°	922	927	937	945	950	426
35°	818	823	841	864	876	512
45°	686	698	729	775	803	529
55°	526	549	612	683	719	470
65°	348	386	480	556	592	343
75°	165	224	302	307	300	177
85°	41	48	51	48	46	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1038.9	1038.9	1038.9	1038.9	1038.9
2.5°	1051.6	1049.1	1041.4	1036.4	1031.3
5°	1036.4	1036.4	1044.0	1038.9	1031.3
7.5°	1028.7	1028.7	1028.7	1041.4	1028.7
10°	1021.1	1023.7	1021.1	1031.3	1021.1
12.5°	1013.5	1013.5	1013.5	1016.0	1016.0
15°	998.3	1000.8	1003.3	1005.9	1008.4
17.5°	983.0	985.6	990.6	993.2	995.7
20°	967.8	970.3	977.9	977.9	983.0
22.5°	947.5	947.5	957.6	960.2	967.8
25°	922.1	927.1	937.3	944.9	950.0
27.5°	899.2	904.3	914.4	924.6	932.2
30°	873.8	878.9	889.0	904.3	914.4
32.5°	845.9	850.9	866.2	884.0	894.1
35°	817.9	823.0	840.8	863.6	876.3
37.5°	787.4	795.1	815.4	840.8	856.0
40°	757.0	764.6	787.4	815.4	838.2
42.5°	721.4	731.6	757.0	795.1	820.5
45°	685.8	698.5	729.0	774.7	802.7
47.5°	647.7	660.4	696.0	754.4	784.9
50°	609.6	624.9	668.1	731.6	764.6
52.5°	569.0	584.2	640.1	708.7	744.3
55°	525.8	548.7	612.2	683.3	718.9
57.5°	482.6	508.0	579.1	655.4	693.5
60°	436.9	467.4	548.7	624.9	663.0
62.5°	393.7	426.7	515.6	591.8	629.9
65°	348.0	386.1	480.1	556.3	591.8
67.5°	299.7	348.0	439.4	513.1	548.7
70°	251.5	307.4	398.8	467.4	500.4
72.5°	208.3	266.7	353.1	411.5	411.5
75°	165.1	223.5	302.3	307.4	299.7
77.5°	127.0	182.9	236.2	215.9	221.0
80°	94.0	139.7	149.9	157.5	162.6
82.5°	63.5	94.0	96.5	101.6	101.6
85°	40.6	48.3	50.8	48.3	45.7
87.5°	17.8	20.3	15.2	10.2	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)