

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

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3228.1 lumens
Efficiency: N/A
Efficacy: 80.7 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

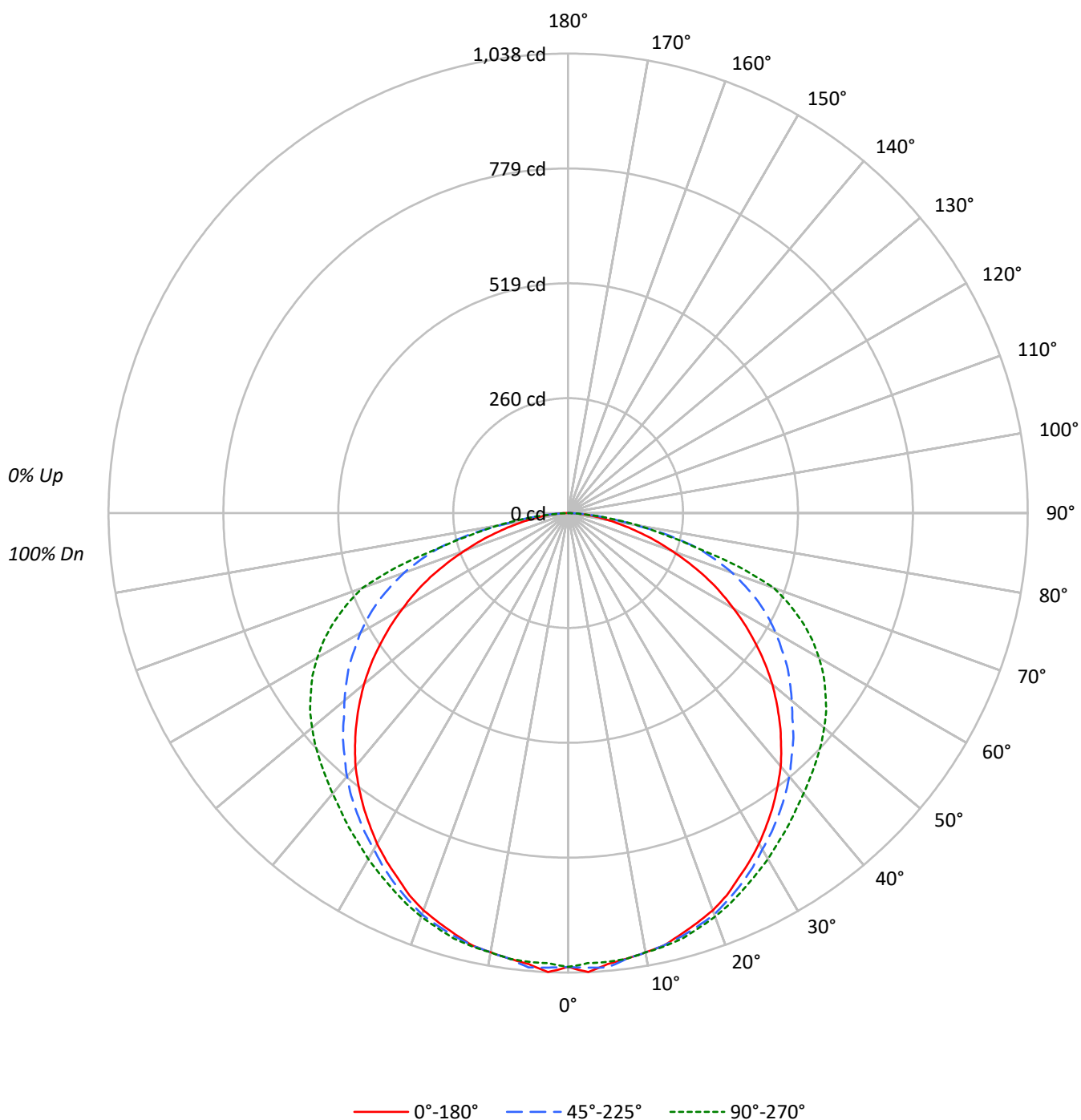
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2759	2759	2759
5°	2751	2766	2737
10°	2730	2720	2730
15°	2708	2707	2736
20°	2686	2695	2729
25°	2640	2659	2720
30°	2605	2619	2726
35°	2562	2597	2745
40°	2519	2577	2789
45°	2453	2557	2871
50°	2377	2546	2981
55°	2272	2575	3106
60°	2136	2596	3241
65°	1975	2620	3359
70°	1717	2593	3417
75°	1427	2454	2592
80°	1120	1636	1937
85°	788	855	886



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	3.0
10°-20°	279.6	8.7
20°-30°	426.0	13.2
30°-40°	521.3	16.1
40°-50°	560.9	17.4
50°-60°	543.3	16.8
60°-70°	460.2	14.3
70°-80°	278.2	8.6
80°-90°	61.1	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°	803.0	24.9
0°-40°	1324.3	41.0
0°-60°	2428.5	75.2
0°-90°	3228.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3228.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1025	1025	1025	1025	1025	
5°	1023	1023	1030	1025	1018	97
15°	985	988	990	993	995	278
25°	910	915	925	933	938	420
35°	807	812	830	852	865	505
45°	677	689	720	765	792	522
55°	519	542	604	674	709	464
65°	343	381	474	549	584	338
75°	163	221	298	303	296	175
85°	40	48	50	48	45	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1025.3	1025.3	1025.3	1025.3	1025.3
2.5°	1037.9	1035.3	1027.8	1022.8	1017.8
5°	1022.8	1022.8	1030.3	1025.3	1017.8
7.5°	1015.3	1015.3	1015.3	1027.8	1015.3
10°	1007.8	1010.3	1007.8	1017.8	1007.8
12.5°	1000.2	1000.2	1000.2	1002.8	1002.8
15°	985.2	987.7	990.2	992.7	995.2
17.5°	970.2	972.7	977.7	980.2	982.7
20°	955.1	957.6	965.2	965.2	970.2
22.5°	935.1	935.1	945.1	947.6	955.1
25°	910.0	915.0	925.0	932.6	937.6
27.5°	887.4	892.5	902.5	912.5	920.0
30°	862.4	867.4	877.4	892.5	902.5
32.5°	834.8	839.8	854.8	872.4	882.4
35°	807.2	812.2	829.8	852.3	864.9
37.5°	777.1	784.7	804.7	829.8	844.8
40°	747.1	754.6	777.1	804.7	827.3
42.5°	712.0	722.0	747.1	784.7	809.7
45°	676.9	689.4	719.5	764.6	792.2
47.5°	639.3	651.8	686.9	744.5	774.6
50°	601.7	616.7	659.3	722.0	754.6
52.5°	561.5	576.6	631.7	699.4	734.5
55°	518.9	541.5	604.2	674.4	709.4
57.5°	476.3	501.4	571.6	646.8	684.4
60°	431.2	461.3	541.5	616.7	654.3
62.5°	388.6	421.2	508.9	584.1	621.7
65°	343.4	381.0	473.8	549.0	584.1
67.5°	295.8	343.4	433.7	506.4	541.5
70°	248.2	303.3	393.6	461.3	493.9
72.5°	205.6	263.2	348.5	406.1	406.1
75°	162.9	220.6	298.3	303.3	295.8
77.5°	125.3	180.5	233.1	213.1	218.1
80°	92.8	137.9	147.9	155.4	160.4
82.5°	62.7	92.8	95.3	100.3	100.3
85°	40.1	47.6	50.1	47.6	45.1
87.5°	17.5	20.1	15.0	10.0	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)