

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: P565735

Luminaire Tested: **2SNX-40HL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-40HL-UNV-L935-CD
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

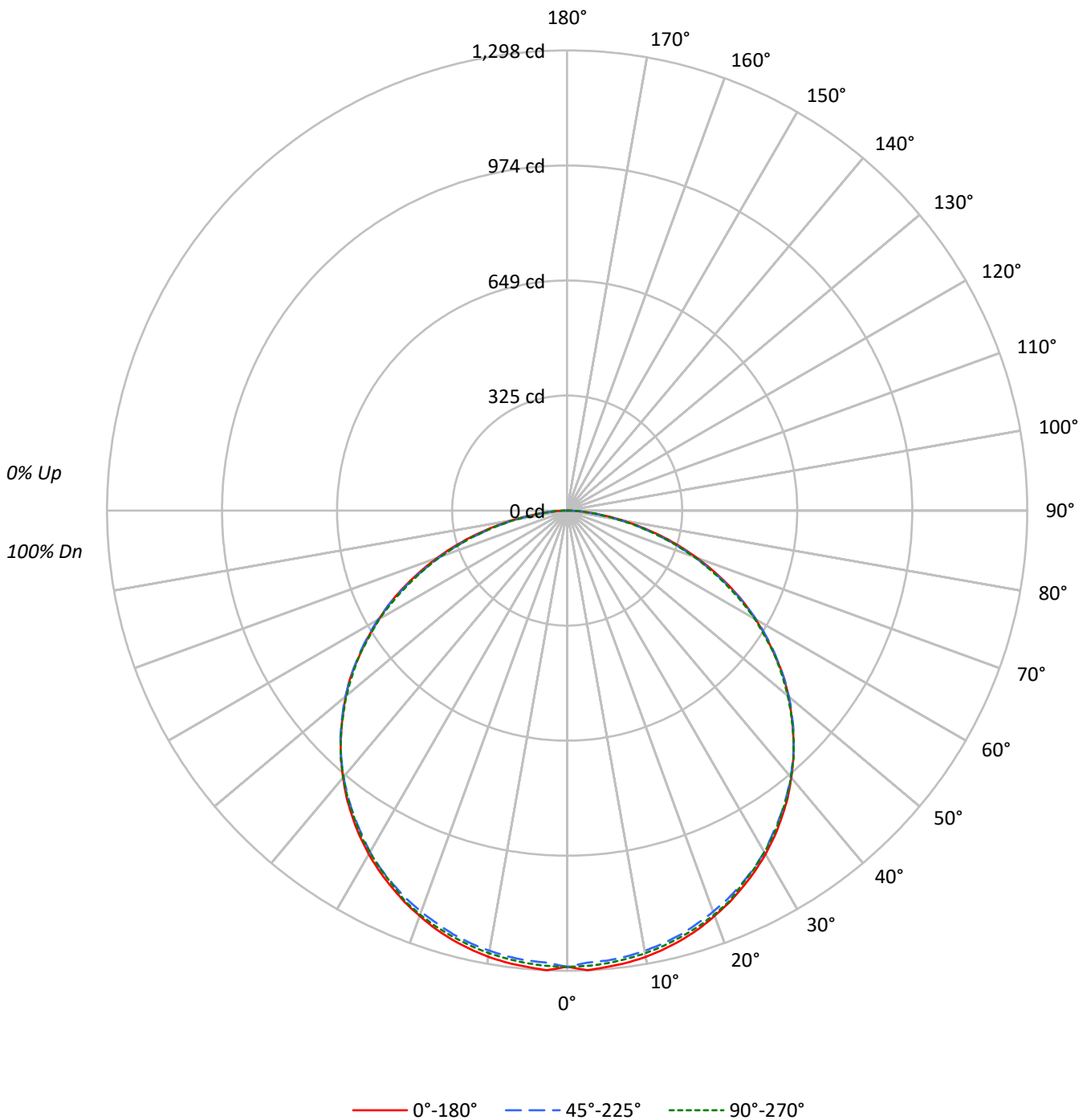
Lumens per Lamp: N/A
Luminaire Lumens: 3852.0 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 27.55
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	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	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27702	27702	27702
5°	27927	27538	27702
10°	27939	27559	27714
15°	27928	27587	27745
20°	27872	27583	27785
25°	27837	27618	27668
30°	27819	27642	27670
35°	27750	27579	27621
40°	27639	27577	27594
45°	27489	27537	27489
50°	27302	27359	27212
55°	26877	27020	26877
60°	26423	26544	26307
65°	25770	25464	25189
70°	24542	23994	23925
75°	22649	21560	21651
80°	19377	18162	18497
85°	14400	14129	13190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.1	3.2
10°-20°	351.9	9.1
20°-30°	538.7	14.0
30°-40°	659.0	17.1
40°-50°	697.0	18.1
50°-60°	642.2	16.7
60°-70°	494.3	12.8
70°-80°	277.7	7.2
80°-90°	69.3	1.8
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°	1012.7	26.3
0°-40°	1671.6	43.4
0°-60°	3010.8	78.2
0°-90°	3852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3852.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1287	1287	1287	1287	1287	
5°	1292	1288	1274	1286	1282	123
15°	1253	1250	1238	1249	1245	354
25°	1172	1171	1163	1171	1165	541
35°	1056	1054	1049	1054	1051	661
45°	903	906	904	902	903	696
55°	716	723	720	718	716	641
65°	506	507	500	493	494	499
75°	272	268	259	255	260	287
85°	58	57	57	56	53	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1286.8	1286.8	1286.8	1286.8	1286.8
2.5°	1297.7	1290.6	1276.5	1289.0	1285.7
5°	1292.3	1288.5	1274.3	1285.7	1281.9
7.5°	1286.8	1282.5	1268.9	1281.4	1275.9
10°	1278.1	1274.3	1260.7	1272.7	1267.8
12.5°	1266.7	1263.4	1250.9	1262.3	1257.4
15°	1253.1	1249.8	1237.8	1248.7	1244.9
17.5°	1236.7	1232.9	1221.5	1232.9	1230.2
20°	1216.6	1214.4	1204.0	1214.4	1212.8
22.5°	1195.9	1193.2	1185.0	1192.6	1193.2
25°	1171.9	1170.8	1162.7	1170.8	1164.8
27.5°	1146.9	1146.9	1138.7	1144.1	1140.3
30°	1119.1	1118.5	1112.0	1114.7	1113.1
32.5°	1089.1	1088.6	1079.9	1087.0	1084.2
35°	1055.9	1054.3	1049.4	1054.3	1051.0
37.5°	1021.6	1020.0	1016.2	1018.9	1018.3
40°	983.5	983.5	981.3	983.5	981.9
42.5°	944.3	945.9	943.2	945.4	945.4
45°	902.9	905.6	904.5	902.4	902.9
47.5°	858.8	863.7	861.0	860.4	857.7
50°	815.2	819.6	816.9	814.1	812.5
52.5°	770.0	772.2	768.9	767.8	764.0
55°	716.1	722.6	719.9	717.7	716.1
57.5°	666.6	671.5	669.3	664.9	662.2
60°	613.7	617.5	616.5	611.6	611.0
62.5°	562.0	563.1	562.0	553.3	553.8
65°	505.9	507.0	499.9	492.8	494.5
67.5°	447.1	450.4	440.6	430.2	437.3
70°	389.9	388.8	381.2	369.8	380.1
72.5°	331.1	330.0	321.3	313.1	320.2
75°	272.3	267.9	259.2	255.4	260.3
77.5°	211.3	206.4	202.6	199.9	202.0
80°	156.3	149.8	146.5	144.3	149.2
82.5°	104.0	99.1	97.5	99.1	98.0
85°	58.3	57.2	57.2	55.5	53.4
87.5°	24.0	25.1	25.6	25.1	24.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)