

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: P566796

Luminaire Tested: **4SNX-74HL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-74HL-SLW-UNV-L940-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

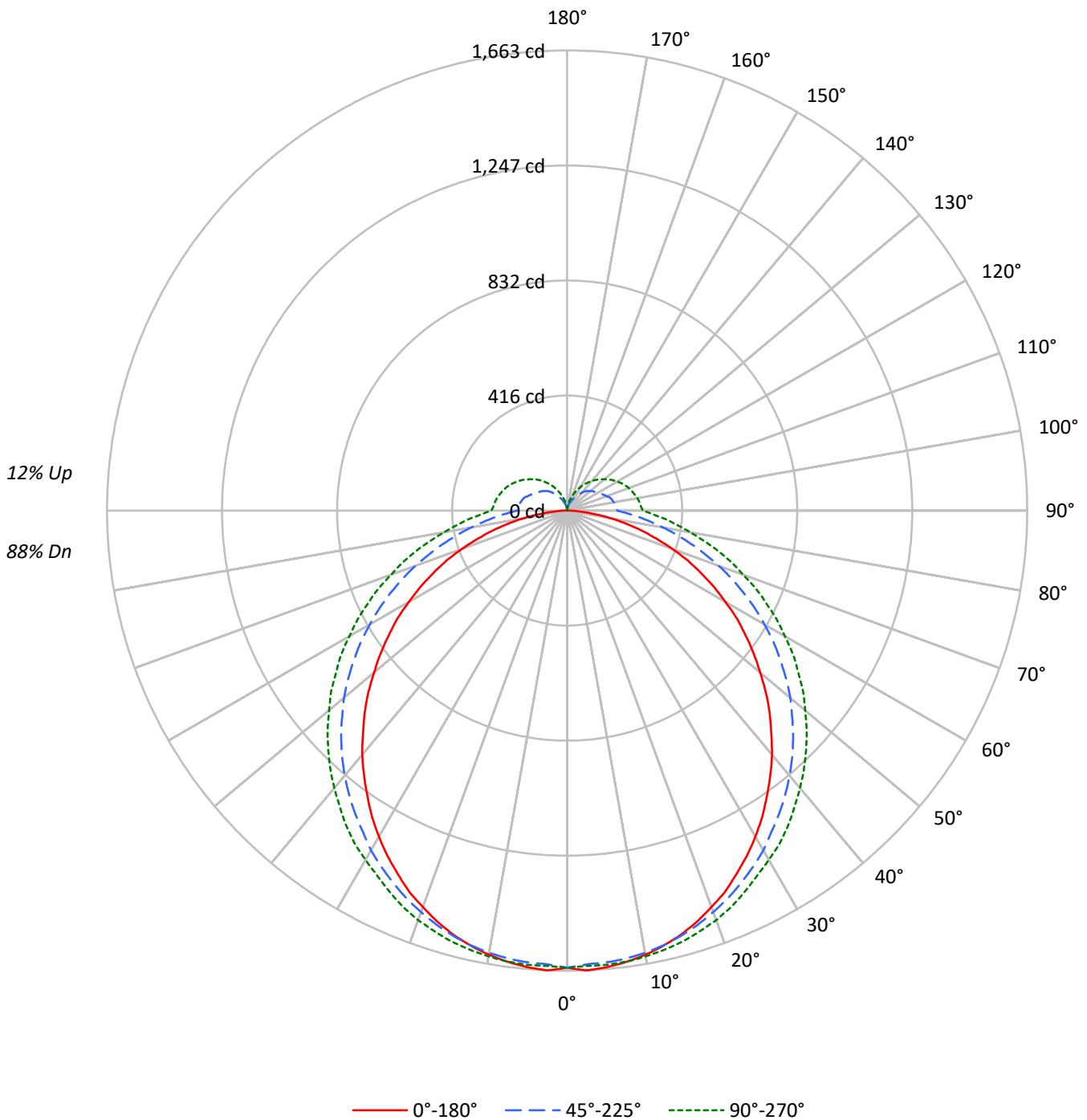
Lumens per Lamp: N/A
Luminaire Lumens: 5948.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 51.8
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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17783	17783	17783
5°	17863	17330	17305
10°	17748	16988	16890
15°	17586	16619	16500
20°	17335	16216	16093
25°	17037	15811	15629
30°	16713	15405	15203
35°	16307	14950	14835
40°	15910	14534	14384
45°	15433	14073	13957
50°	14881	13582	13468
55°	14351	13008	12980
60°	13738	12387	12419
65°	12990	11679	11820
70°	12041	10880	11131
75°	10696	9959	10500
80°	8813	9047	9702
85°	6099	8232	9183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.8	2.6
10°-20°	451.2	7.6
20°-30°	686.4	11.5
30°-40°	834.5	14.0
40°-50°	882.9	14.8
50°-60°	827.6	13.9
60°-70°	680.9	11.4
70°-80°	471.1	7.9
80°-90°	262.0	4.4
90°-100°	172.6	2.9
100°-110°	154.7	2.6
110°-120°	128.1	2.2
120°-130°	99.0	1.7
130°-140°	70.1	1.2
140°-150°	42.3	0.7
150°-160°	20.3	0.3
160°-170°	6.7	0.1
170°-180°	0.8	0.0
0°-30°	1294.4	21.8
0°-40°	2128.9	35.8
0°-60°	3839.5	64.6
0°-90°	5253.4	88.3
90°-120°	455.4	7.7
90°-150°	666.8	11.2
90°-180°	695.0	11.7
0°-180°	5948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1652	1652	1652	1652	1652	
5°	1656	1653	1639	1652	1648	157
15°	1587	1592	1591	1612	1612	447
25°	1448	1469	1486	1519	1520	668
35°	1259	1293	1336	1379	1391	788
45°	1035	1089	1155	1207	1221	798
55°	787	858	940	999	1020	705
65°	533	609	704	773	794	528
75°	277	358	462	536	565	294
85°	61	152	257	328	356	70
90°	1	86	181	250	274	4
95°	1	82	176	241	265	1
105°	1	70	165	227	248	1
115°	2	61	140	202	224	2
125°	2	52	119	172	194	2
135°	2	41	100	142	159	2
145°	2	30	69	107	120	1
155°	3	20	43	68	79	1
165°	3	13	23	32	41	1
175°	3	5	7	7	4	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1652.1	1652.1	1652.1	1652.1	1652.1
2.5°	1663.3	1658.2	1640.9	1652.1	1647.0
5°	1656.2	1653.1	1638.9	1652.1	1648.1
7.5°	1645.0	1644.0	1632.8	1648.1	1644.0
10°	1629.7	1631.8	1622.6	1638.9	1635.8
12.5°	1610.4	1613.4	1609.3	1627.7	1625.6
15°	1586.9	1592.0	1591.0	1612.4	1612.4
17.5°	1558.4	1565.5	1569.6	1594.1	1594.1
20°	1524.8	1536.0	1544.2	1570.6	1574.7
22.5°	1491.2	1504.4	1516.7	1544.2	1550.3
25°	1448.4	1468.8	1486.1	1518.7	1519.7
27.5°	1406.6	1429.1	1452.5	1484.1	1487.1
30°	1360.8	1389.3	1417.9	1448.4	1457.6
32.5°	1311.9	1343.5	1375.1	1415.8	1428.0
35°	1259.0	1292.6	1336.4	1379.1	1391.4
37.5°	1206.0	1243.7	1294.6	1338.4	1349.6
40°	1152.0	1193.8	1250.8	1295.6	1308.9
42.5°	1091.9	1142.8	1204.0	1251.8	1267.1
45°	1034.9	1088.9	1155.1	1207.0	1221.3
47.5°	974.8	1031.8	1103.1	1158.1	1174.4
50°	910.6	975.8	1052.2	1107.2	1122.5
52.5°	850.5	916.7	997.2	1054.2	1075.6
55°	787.4	857.6	940.1	999.2	1019.6
57.5°	728.3	795.5	884.1	943.2	968.7
60°	661.1	735.4	824.0	888.2	908.6
62.5°	597.9	673.3	764.9	831.2	854.6
65°	532.7	609.1	703.8	773.1	794.5
67.5°	471.6	547.0	643.7	712.0	739.5
70°	404.4	483.8	582.6	652.9	676.3
72.5°	338.2	420.7	521.5	596.9	623.4
75°	277.1	357.5	462.4	535.8	565.3
77.5°	218.0	299.5	405.4	480.8	506.2
80°	158.9	244.5	352.4	426.8	451.2
82.5°	104.9	194.5	301.5	375.9	402.3
85°	61.1	151.8	256.7	328.0	356.5
87.5°	26.5	115.1	214.9	285.2	308.6
90°	1.0	85.6	181.3	249.6	274.0
92.5°	1.0	83.5	177.2	244.5	267.9
95°	1.0	81.5	176.2	241.4	264.8
97.5°	1.0	80.5	174.2	239.4	261.8
100°	1.0	77.4	171.1	235.3	257.7
102.5°	1.0	73.3	168.1	231.2	252.6
105°	1.0	70.3	165.0	227.1	247.5
107.5°	1.0	67.2	159.9	222.0	242.4
110°	1.0	64.2	151.8	217.0	237.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	63.2	145.7	209.8	231.2
115°	2.0	61.1	139.5	201.7	224.1
117.5°	2.0	60.1	134.5	193.5	217.0
120°	2.0	57.0	129.4	186.4	208.8
122.5°	2.0	54.0	124.3	179.3	201.7
125°	2.0	51.9	119.2	172.1	193.5
127.5°	2.0	48.9	115.1	165.0	184.4
130°	2.0	46.9	110.0	156.9	176.2
132.5°	2.0	43.8	104.9	148.7	167.0
135°	2.0	40.7	99.8	141.6	158.9
137.5°	2.0	36.7	93.7	133.4	149.7
140°	2.0	33.6	85.6	125.3	140.6
142.5°	2.0	31.6	77.4	116.1	130.4
145°	2.0	29.5	69.3	107.0	120.2
147.5°	2.0	27.5	62.1	97.8	110.0
150°	2.0	24.4	55.0	89.6	99.8
152.5°	3.1	22.4	48.9	79.4	89.6
155°	3.1	20.4	42.8	68.2	79.4
157.5°	3.1	18.3	36.7	57.0	69.3
160°	3.1	16.3	31.6	46.9	59.1
162.5°	3.1	15.3	27.5	38.7	49.9
165°	3.1	13.2	23.4	31.6	40.7
167.5°	3.1	10.2	19.4	24.4	33.6
170°	3.1	8.1	15.3	17.3	25.5
172.5°	3.1	6.1	11.2	12.2	13.2
175°	3.1	5.1	7.1	7.1	4.1
177.5°	3.1	4.1	4.1	4.1	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)