

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: P565684

Luminaire Tested: **2SNX-30SL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-30SL-UNV-L840-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

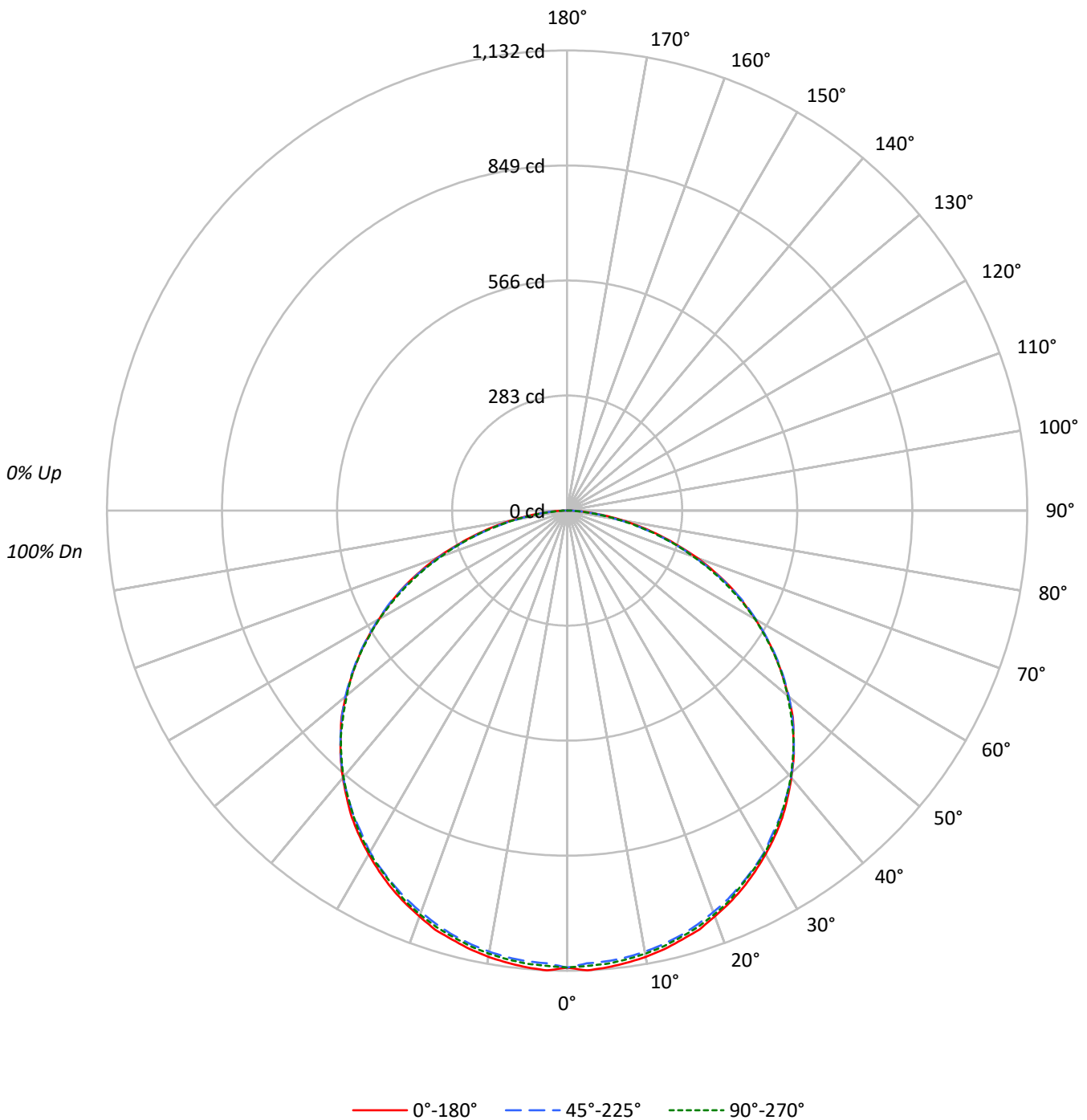
Lumens per Lamp: N/A
Luminaire Lumens: 3361.0 lumens
Efficiency: N/A
Efficacy: 160.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21
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°	24199	24199	24199
5°	24378	24052	24182
10°	24374	24085	24197
15°	24353	24106	24197
20°	24339	24085	24224
25°	24323	24084	24131
30°	24274	24122	24175
35°	24254	24068	24097
40°	24118	24090	24061
45°	23975	24006	23975
50°	23799	23869	23698
55°	23484	23559	23447
60°	23022	23112	22979
65°	22556	22398	22092
70°	21445	20998	20740
75°	19588	18914	19006
80°	16922	15670	16042
85°	12745	12227	10992



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	3.2
10°-20°	307.3	9.1
20°-30°	470.1	14.0
30°-40°	574.8	17.1
40°-50°	608.1	18.1
50°-60°	560.3	16.7
60°-70°	431.7	12.8
70°-80°	241.9	7.2
80°-90°	60.1	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°	884.1	26.3
0°-40°	1458.9	43.4
0°-60°	2627.2	78.2
0°-90°	3361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1124	1124	1124	1124	1124	
5°	1128	1124	1113	1124	1119	107
15°	1093	1091	1082	1091	1086	309
25°	1024	1022	1014	1022	1016	472
35°	923	921	916	919	917	577
45°	788	790	788	788	788	608
55°	626	631	628	628	625	559
65°	443	443	440	429	434	436
75°	236	232	227	219	228	250
85°	52	48	50	50	44	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1124.1	1124.1	1124.1	1124.1	1124.1
2.5°	1132.2	1127.1	1115.0	1126.1	1121.1
5°	1128.1	1124.1	1113.0	1124.1	1119.0
7.5°	1122.1	1119.0	1108.9	1119.0	1114.0
10°	1115.0	1112.0	1101.8	1112.0	1106.9
12.5°	1104.9	1102.9	1092.7	1102.9	1097.8
15°	1092.7	1090.7	1081.6	1090.7	1085.7
17.5°	1080.6	1076.6	1067.5	1077.6	1073.5
20°	1062.4	1060.4	1051.3	1060.4	1057.4
22.5°	1044.2	1042.2	1034.1	1042.2	1040.2
25°	1024.0	1022.0	1013.9	1022.0	1015.9
27.5°	1000.8	1001.8	992.7	997.7	994.7
30°	976.5	976.5	970.4	972.5	972.5
32.5°	950.2	950.2	941.1	947.2	946.2
35°	922.9	920.9	915.8	918.9	916.9
37.5°	890.6	889.6	886.5	888.6	886.5
40°	858.2	859.2	857.2	856.2	856.2
42.5°	824.9	826.9	823.9	822.8	821.8
45°	787.5	790.5	788.5	787.5	787.5
47.5°	753.1	754.1	751.1	750.1	747.0
50°	710.6	714.7	712.7	710.6	707.6
52.5°	668.2	674.2	670.2	668.2	668.2
55°	625.7	630.8	627.7	627.7	624.7
57.5°	581.2	586.3	582.3	582.3	578.2
60°	534.7	539.8	536.8	533.7	533.7
62.5°	488.2	492.3	491.3	486.2	483.2
65°	442.8	442.8	439.7	428.6	433.7
67.5°	391.2	390.2	386.2	375.0	382.1
70°	340.7	340.7	333.6	320.4	329.5
72.5°	286.1	289.1	280.0	270.9	280.0
75°	235.5	232.5	227.4	219.4	228.5
77.5°	187.0	182.0	175.9	171.8	176.9
80°	136.5	133.4	126.4	126.4	129.4
82.5°	93.0	90.0	84.9	85.9	81.9
85°	51.6	48.5	49.5	49.5	44.5
87.5°	21.2	21.2	21.2	19.2	17.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)