

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: P284688

Luminaire Tested: **2SNLED-LD5-20SL-SLW-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-20SL-SLW-UNV-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1703.0 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Semi-Direct

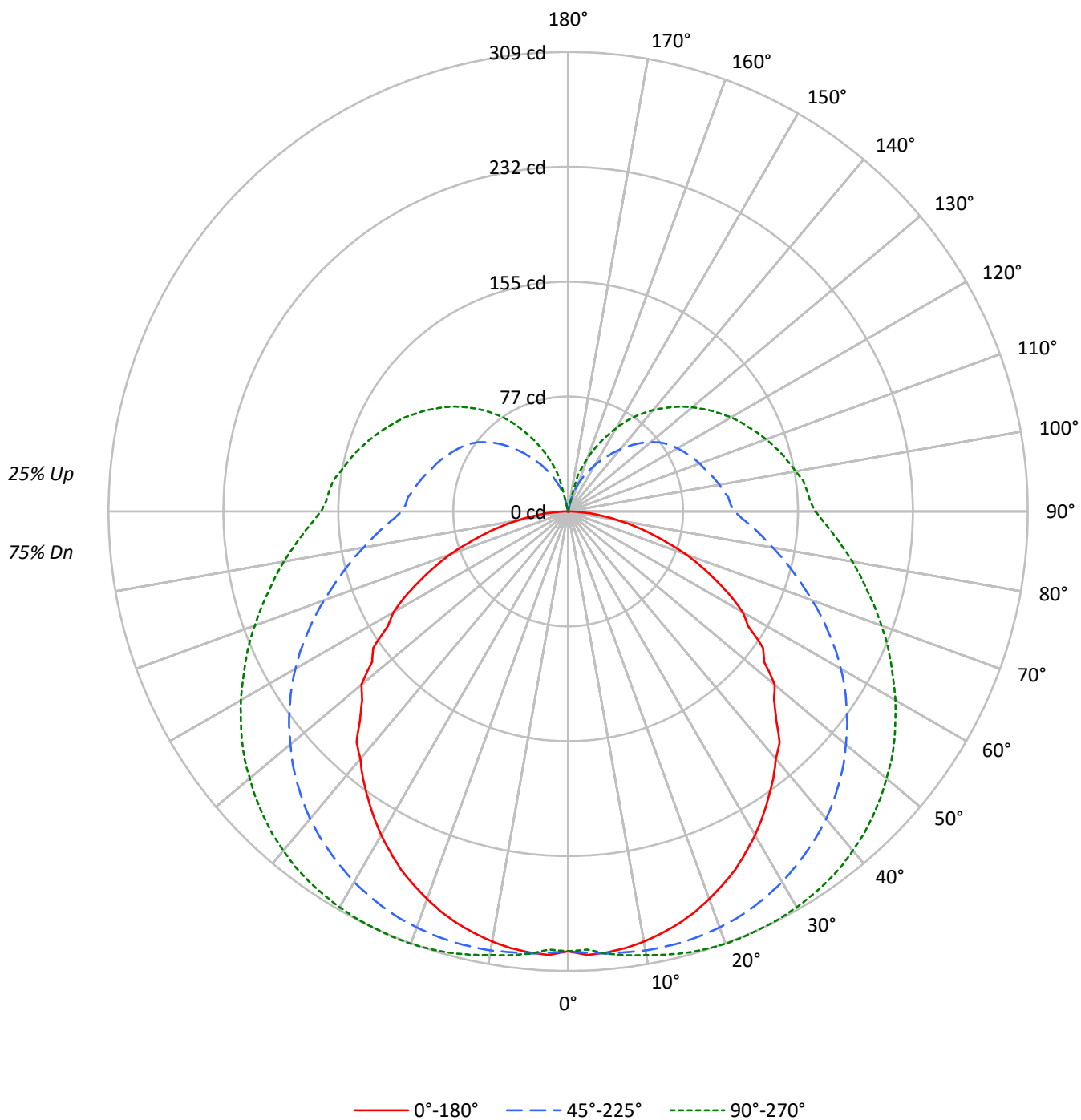
Input Watts (W): 18
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75		
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56		
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44		
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36		
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30		
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25		
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22		
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19		
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17		
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15		
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4781	4781	4781
5°	4804	4715	4689
10°	4767	4665	4662
15°	4721	4632	4672
20°	4663	4602	4682
25°	4606	4577	4689
30°	4527	4555	4713
35°	4440	4530	4746
40°	4356	4518	4776
45°	4253	4498	4814
50°	4243	4476	4854
55°	4139	4464	4911
60°	3955	4454	4977
65°	3696	4443	5070
70°	3404	4456	5213
75°	2922	4534	5423
80°	2364	4715	5774
85°	1601	5099	6285



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.4	1.7
10°-20°	84.2	4.9
20°-30°	133.9	7.9
30°-40°	171.9	10.1
40°-50°	194.1	11.4
50°-60°	198.0	11.6
60°-70°	183.4	10.8
70°-80°	155.3	9.1
80°-90°	124.0	7.3
90°-100°	105.3	6.2
100°-110°	93.8	5.5
110°-120°	79.9	4.7
120°-130°	63.5	3.7
130°-140°	45.0	2.6
140°-150°	26.9	1.6
150°-160°	12.5	0.7
160°-170°	3.0	0.2
170°-180°	0.0	0.0
0°-30°	246.6	14.5
0°-40°	418.4	24.6
0°-60°	810.5	47.6
0°-90°	1273.2	74.8
90°-120°	278.9	16.4
90°-150°	414.3	24.3
90°-180°	430.0	25.2
0°-180°	1703.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	296	296	296	296	296	
5°	298	295	298	298	298	28
15°	287	289	300	305	307	81
25°	266	274	294	304	309	122
35°	235	252	279	296	304	147
45°	198	224	258	280	290	154
55°	160	187	228	256	268	140
65°	110	146	193	226	239	109
75°	58	102	156	195	208	61
85°	15	66	125	165	179	16
90°	1	54	112	152	166	1
95°	0	50	108	148	161	0
105°	0	46	98	136	149	0
115°	0	43	90	122	134	0
125°	0	37	80	108	118	0
135°	0	28	64	91	99	0
145°	0	18	45	68	78	0
155°	0	11	28	42	52	0
165°	0	6	12	17	24	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	295.8	295.8	295.8	295.8	295.8
2.5°	298.5	295.3	297.0	296.5	294.9
5°	297.7	295.3	298.5	298.5	298.5
7.5°	296.1	294.5	298.9	300.5	301.0
10°	293.7	293.7	299.8	302.2	302.9
12.5°	290.5	291.7	299.8	303.3	305.3
15°	286.9	289.3	299.8	305.3	307.3
17.5°	282.5	286.5	298.9	305.7	308.5
20°	277.3	283.4	297.7	305.7	309.4
22.5°	271.7	279.4	296.1	305.0	309.4
25°	265.8	274.5	293.7	304.1	309.0
27.5°	258.5	269.8	290.9	302.9	308.5
30°	251.3	264.1	287.7	301.3	307.3
32.5°	243.3	258.1	283.7	298.9	305.7
35°	234.9	252.2	279.4	296.5	303.8
37.5°	226.5	244.9	274.9	293.3	301.3
40°	217.3	237.7	269.8	289.3	297.7
42.5°	210.5	230.1	264.1	285.3	294.2
45°	197.7	224.5	257.7	280.1	289.7
47.5°	187.7	213.7	251.3	274.9	284.9
50°	181.3	204.9	243.7	268.9	279.4
52.5°	166.1	198.9	236.5	263.0	274.1
55°	160.0	186.9	228.5	256.5	267.7
57.5°	143.6	178.5	220.5	249.3	260.9
60°	135.6	166.8	211.7	242.1	254.1
62.5°	123.2	156.9	202.9	234.1	246.5
65°	109.6	146.1	193.3	226.5	239.3
67.5°	96.9	135.3	184.1	218.5	232.1
70°	84.4	124.1	174.5	210.5	224.1
72.5°	70.0	112.8	165.2	202.9	216.5
75°	57.7	102.0	156.5	194.9	208.5
77.5°	45.6	91.7	148.1	187.7	201.3
80°	34.4	81.6	139.6	180.1	194.1
82.5°	24.0	73.2	132.1	172.9	186.5
85°	14.8	65.7	124.8	165.2	179.3
87.5°	6.8	58.9	117.6	158.1	172.5
90°	0.8	53.7	111.7	152.0	166.1
92.5°	0.4	52.1	109.3	149.2	162.8
95°	0.0	50.4	108.1	147.6	161.2
97.5°	0.0	48.8	105.3	145.2	159.3
100°	0.0	48.1	103.2	141.7	155.3
102.5°	0.0	46.9	100.9	138.4	152.0
105°	0.0	46.4	98.5	135.6	148.9
107.5°	0.0	45.6	96.0	132.1	145.2
110°	0.0	44.8	94.1	128.8	141.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	44.1	92.0	125.7	138.0
115°	0.0	43.2	89.6	122.0	134.0
117.5°	0.0	42.0	87.3	118.5	130.4
120°	0.0	40.4	84.9	115.2	126.5
122.5°	0.0	38.8	82.4	111.2	122.0
125°	0.0	37.3	79.6	107.7	118.0
127.5°	0.0	34.8	76.5	103.7	113.3
130°	0.0	32.4	72.5	99.7	108.9
132.5°	0.4	30.0	68.5	95.2	104.4
135°	0.0	27.6	64.0	90.8	99.2
137.5°	0.0	25.6	59.2	86.1	94.1
140°	0.0	23.2	54.4	80.5	88.9
142.5°	0.0	20.4	49.7	74.4	83.3
145°	0.0	18.0	44.8	68.0	77.6
147.5°	0.4	16.0	40.4	61.2	71.6
150°	0.4	14.4	36.1	54.4	64.8
152.5°	0.4	12.9	31.6	48.1	58.0
155°	0.4	11.2	27.6	41.6	51.6
157.5°	0.4	9.6	23.2	35.2	44.8
160°	0.4	8.4	19.2	29.6	38.4
162.5°	0.4	7.2	15.7	23.2	31.6
165°	0.4	6.0	12.4	17.2	24.4
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)