

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: P284649

Luminaire Tested: **2SNLED-LD5-20SL-SLW-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284649
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-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1664.0 lumens
Efficiency: N/A
Efficacy: 92.4 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

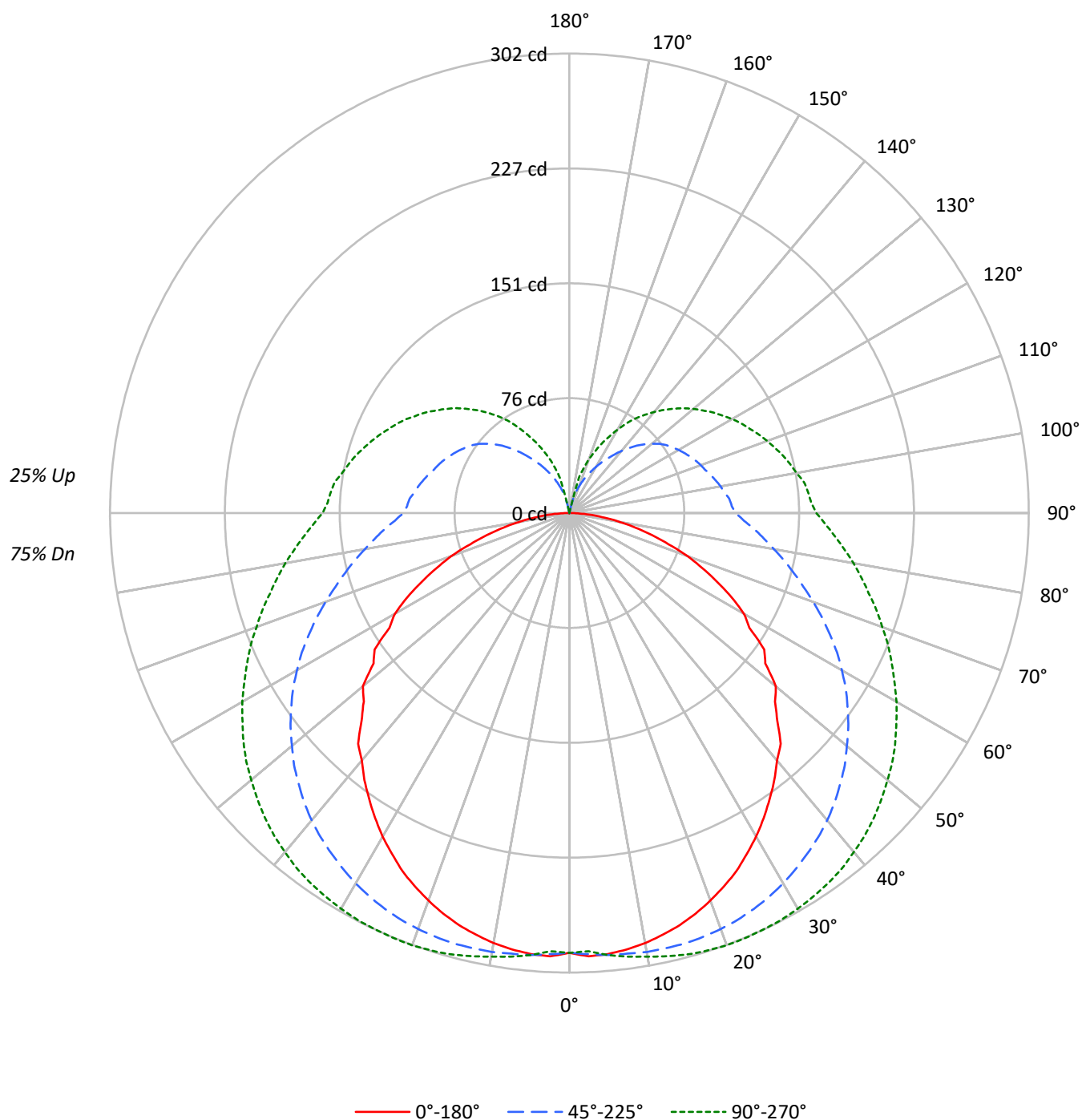
Input Watts (W): 18
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	4671	4671	4671
5°	4694	4606	4580
10°	4659	4558	4556
15°	4614	4525	4565
20°	4557	4497	4574
25°	4500	4472	4582
30°	4422	4450	4606
35°	4338	4427	4637
40°	4256	4415	4667
45°	4156	4395	4705
50°	4147	4373	4743
55°	4046	4363	4799
60°	3865	4351	4864
65°	3612	4341	4954
70°	3327	4353	5092
75°	2851	4429	5298
80°	2316	4606	5640
85°	1568	4984	6141



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.8	1.7
10°-20°	82.3	4.9
20°-30°	130.8	7.9
30°-40°	167.9	10.1
40°-50°	189.6	11.4
50°-60°	193.5	11.6
60°-70°	179.3	10.8
70°-80°	151.8	9.1
80°-90°	121.1	7.3
90°-100°	102.9	6.2
100°-110°	91.6	5.5
110°-120°	78.0	4.7
120°-130°	62.0	3.7
130°-140°	44.0	2.6
140°-150°	26.3	1.6
150°-160°	12.2	0.7
160°-170°	2.9	0.2
170°-180°	0.0	0.0
0°-30°	240.9	14.5
0°-40°	408.8	24.6
0°-60°	791.9	47.6
0°-90°	1244.1	74.8
90°-120°	272.6	16.4
90°-150°	404.8	24.3
90°-180°	420.0	25.2
0°-180°	1664.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	289	289	289	289	289	
5°	291	289	292	292	292	28
15°	280	283	293	298	300	79
25°	260	268	287	297	302	120
35°	230	246	273	290	297	144
45°	193	219	252	274	283	150
55°	156	183	223	251	262	137
65°	107	143	189	221	234	106
75°	56	100	153	190	204	60
85°	14	64	122	161	175	16
90°	1	52	109	149	162	1
95°	0	49	106	144	158	0
105°	0	45	96	132	146	0
115°	0	42	88	119	131	0
125°	0	36	78	105	115	0
135°	0	27	63	89	97	0
145°	0	18	44	66	76	0
155°	0	11	27	41	50	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°	289.0	289.0	289.0	289.0	289.0
2.5°	291.6	288.6	290.2	289.7	288.2
5°	290.9	288.6	291.6	291.6	291.6
7.5°	289.3	287.7	292.1	293.6	294.1
10°	287.0	287.0	292.9	295.2	296.0
12.5°	283.8	285.0	292.9	296.4	298.3
15°	280.4	282.7	292.9	298.3	300.3
17.5°	276.0	279.9	292.1	298.7	301.5
20°	271.0	276.9	290.9	298.7	302.3
22.5°	265.5	273.0	289.3	298.0	302.3
25°	259.7	268.2	287.0	297.1	301.9
27.5°	252.6	263.6	284.3	296.0	301.5
30°	245.5	258.1	281.1	294.4	300.3
32.5°	237.7	252.2	277.2	292.1	298.7
35°	229.5	246.4	273.0	289.7	296.8
37.5°	221.3	239.3	268.6	286.6	294.4
40°	212.3	232.2	263.6	282.7	290.9
42.5°	205.6	224.9	258.1	278.8	287.4
45°	193.2	219.4	251.8	273.7	283.1
47.5°	183.4	208.8	245.5	268.6	278.3
50°	177.2	200.2	238.1	262.7	273.0
52.5°	162.3	194.4	231.1	256.9	267.8
55°	156.4	182.6	223.3	250.6	261.6
57.5°	140.3	174.4	215.5	243.6	254.9
60°	132.5	163.0	206.8	236.6	248.3
62.5°	120.4	153.3	198.3	228.8	240.9
65°	107.1	142.8	188.9	221.3	233.8
67.5°	94.6	132.2	179.9	213.5	226.8
70°	82.5	121.2	170.5	205.6	218.9
72.5°	68.4	110.3	161.4	198.3	211.6
75°	56.3	99.7	152.9	190.5	203.7
77.5°	44.5	89.6	144.7	183.4	196.7
80°	33.7	79.8	136.4	176.0	189.6
82.5°	23.4	71.5	129.0	168.9	182.2
85°	14.5	64.2	122.0	161.4	175.2
87.5°	6.6	57.5	114.9	154.5	168.5
90°	0.7	52.4	109.1	148.6	162.3
92.5°	0.4	50.9	106.8	145.8	159.1
95°	0.0	49.3	105.6	144.2	157.5
97.5°	0.0	47.7	102.9	141.9	155.6
100°	0.0	47.0	100.9	138.4	151.7
102.5°	0.0	45.8	98.6	135.3	148.6
105°	0.0	45.4	96.2	132.5	145.5
107.5°	0.0	44.5	93.8	129.0	141.9
110°	0.0	43.8	91.9	125.9	138.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	43.1	89.9	122.8	134.8
115°	0.0	42.2	87.6	119.2	130.9
117.5°	0.0	41.0	85.3	115.7	127.5
120°	0.0	39.5	82.9	112.6	123.6
122.5°	0.0	37.9	80.5	108.7	119.2
125°	0.0	36.4	77.8	105.2	115.3
127.5°	0.0	34.0	74.7	101.3	110.7
130°	0.0	31.7	70.8	97.4	106.4
132.5°	0.4	29.3	66.9	93.1	102.0
135°	0.0	27.0	62.6	88.7	97.0
137.5°	0.0	25.0	57.8	84.1	91.9
140°	0.0	22.7	53.2	78.6	86.8
142.5°	0.0	19.9	48.5	72.7	81.4
145°	0.0	17.6	43.8	66.5	75.9
147.5°	0.4	15.6	39.5	59.8	70.0
150°	0.4	14.0	35.2	53.2	63.3
152.5°	0.4	12.6	30.9	47.0	56.7
155°	0.4	11.0	27.0	40.6	50.4
157.5°	0.4	9.4	22.7	34.4	43.8
160°	0.4	8.2	18.8	28.9	37.6
162.5°	0.4	7.1	15.3	22.7	30.9
165°	0.4	5.9	12.1	16.8	23.8
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)