

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: P284727

Luminaire Tested: **2SNLED-LD5-20SL-SLW-UNV-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284727
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-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1816.0 lumens
Efficiency: N/A
Efficacy: 100.9 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

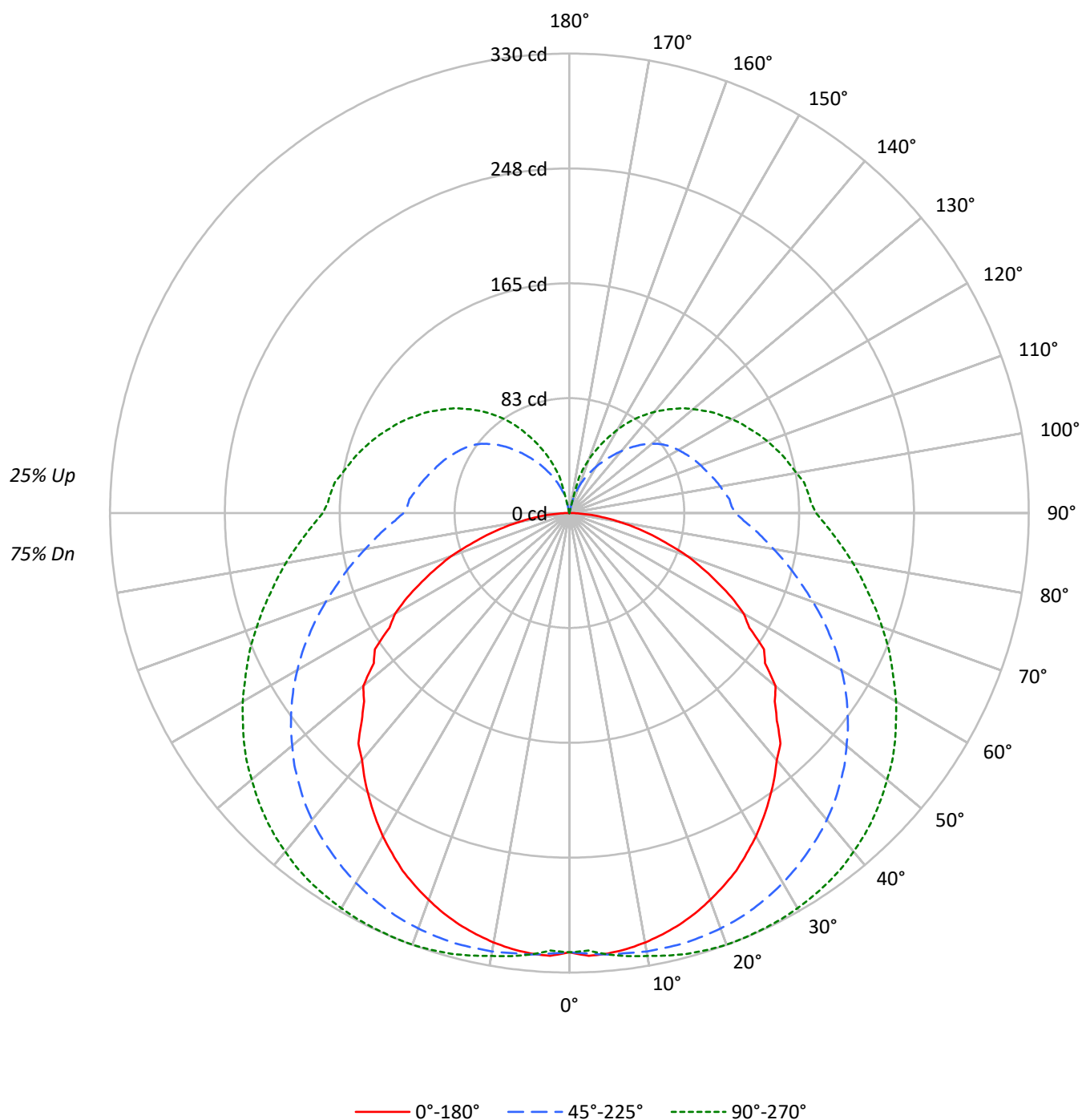
Input Watts (W): 18
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5098	5098	5098
5°	5123	5028	5000
10°	5084	4975	4972
15°	5036	4939	4982
20°	4973	4908	4992
25°	4911	4881	5001
30°	4827	4857	5026
35°	4735	4830	5061
40°	4645	4818	5094
45°	4535	4796	5135
50°	4523	4773	5175
55°	4416	4761	5237
60°	4218	4749	5308
65°	3942	4737	5407
70°	3630	4752	5557
75°	3114	4835	5784
80°	2522	5029	6155
85°	1709	5438	6702



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	1.7
10°-20°	89.8	4.9
20°-30°	142.8	7.9
30°-40°	183.3	10.1
40°-50°	206.9	11.4
50°-60°	211.2	11.6
60°-70°	195.6	10.8
70°-80°	165.6	9.1
80°-90°	132.2	7.3
90°-100°	112.3	6.2
100°-110°	100.0	5.5
110°-120°	85.2	4.7
120°-130°	67.7	3.7
130°-140°	48.0	2.6
140°-150°	28.7	1.6
150°-160°	13.4	0.7
160°-170°	3.2	0.2
170°-180°	0.0	0.0
0°-30°	262.9	14.5
0°-40°	446.2	24.6
0°-60°	864.3	47.6
0°-90°	1357.7	74.8
90°-120°	297.5	16.4
90°-150°	441.8	24.3
90°-180°	458.0	25.2
0°-180°	1816.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	315	315	315	315	315	
5°	318	315	318	318	318	30
15°	306	308	320	326	328	86
25°	283	293	313	324	330	130
35°	250	269	298	316	324	157
45°	211	239	275	299	309	164
55°	171	199	244	274	286	150
65°	117	156	206	242	255	116
75°	62	109	167	208	222	65
85°	16	70	133	176	191	17
90°	1	57	119	162	177	1
95°	0	54	115	157	172	0
105°	0	50	105	145	159	0
115°	0	46	96	130	143	0
125°	0	40	85	115	126	0
135°	0	30	68	97	106	0
145°	0	19	48	72	83	0
155°	0	12	30	44	55	0
165°	0	6	13	18	26	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°	315.4	315.4	315.4	315.4	315.4
2.5°	318.3	314.9	316.7	316.2	314.5
5°	317.5	314.9	318.3	318.3	318.3
7.5°	315.8	314.0	318.7	320.5	320.9
10°	313.2	313.2	319.7	322.2	323.0
12.5°	309.8	311.0	319.7	323.5	325.5
15°	306.0	308.5	319.7	325.5	327.7
17.5°	301.2	305.5	318.7	326.0	329.0
20°	295.7	302.2	317.5	326.0	329.9
22.5°	289.7	297.9	315.8	325.2	329.9
25°	283.4	292.7	313.2	324.3	329.5
27.5°	275.7	287.7	310.2	323.0	329.0
30°	268.0	281.7	306.8	321.3	327.7
32.5°	259.4	275.2	302.5	318.7	326.0
35°	250.5	268.9	297.9	316.2	323.9
37.5°	241.5	261.2	293.2	312.8	321.3
40°	231.7	253.5	287.7	308.5	317.5
42.5°	224.4	245.4	281.7	304.2	313.7
45°	210.8	239.4	274.8	298.7	309.0
47.5°	200.1	227.9	268.0	293.2	303.8
50°	193.3	218.4	259.9	286.7	297.9
52.5°	177.1	212.1	252.2	280.4	292.3
55°	170.7	199.3	243.7	273.5	285.5
57.5°	153.2	190.3	235.1	265.9	278.2
60°	144.6	177.9	225.7	258.2	271.0
62.5°	131.4	167.3	216.4	249.7	262.9
65°	116.9	155.8	206.1	241.5	255.2
67.5°	103.3	144.3	196.3	233.0	247.5
70°	90.0	132.3	186.1	224.4	238.9
72.5°	74.6	120.3	176.2	216.4	230.9
75°	61.5	108.8	166.9	207.9	222.4
77.5°	48.6	97.8	157.9	200.1	214.6
80°	36.7	87.1	148.9	192.1	206.9
82.5°	25.6	78.1	140.8	184.4	198.9
85°	15.8	70.0	133.1	176.2	191.2
87.5°	7.3	62.8	125.4	168.6	183.9
90°	0.8	57.2	119.1	162.1	177.1
92.5°	0.5	55.5	116.5	159.1	173.7
95°	0.0	53.8	115.3	157.4	171.9
97.5°	0.0	52.0	112.3	154.9	169.9
100°	0.0	51.2	110.1	151.1	165.6
102.5°	0.0	50.0	107.6	147.6	162.1
105°	0.0	49.5	105.0	144.6	158.8
107.5°	0.0	48.6	102.4	140.8	154.9
110°	0.0	47.8	100.3	137.4	151.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	47.0	98.1	134.0	147.2
115°	0.0	46.1	95.6	130.1	142.9
117.5°	0.0	44.8	93.0	126.3	139.1
120°	0.0	43.1	90.5	122.9	134.8
122.5°	0.0	41.3	87.9	118.6	130.1
125°	0.0	39.7	84.9	114.8	125.9
127.5°	0.0	37.1	81.5	110.5	120.8
130°	0.0	34.5	77.3	106.3	116.1
132.5°	0.5	32.0	73.0	101.6	111.4
135°	0.0	29.5	68.3	96.8	105.8
137.5°	0.0	27.3	63.1	91.8	100.3
140°	0.0	24.8	58.0	85.8	94.8
142.5°	0.0	21.8	53.0	79.3	88.8
145°	0.0	19.2	47.8	72.5	82.8
147.5°	0.5	17.0	43.1	65.3	76.3
150°	0.5	15.3	38.5	58.0	69.1
152.5°	0.5	13.7	33.7	51.2	61.8
155°	0.5	12.0	29.5	44.3	55.0
157.5°	0.5	10.2	24.8	37.5	47.8
160°	0.5	9.0	20.5	31.6	41.0
162.5°	0.5	7.7	16.7	24.8	33.7
165°	0.5	6.4	13.2	18.3	26.0
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)