

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: P#

Luminaire Tested: **2SNLED-LD5-20SL-SLW-UNV-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)
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-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

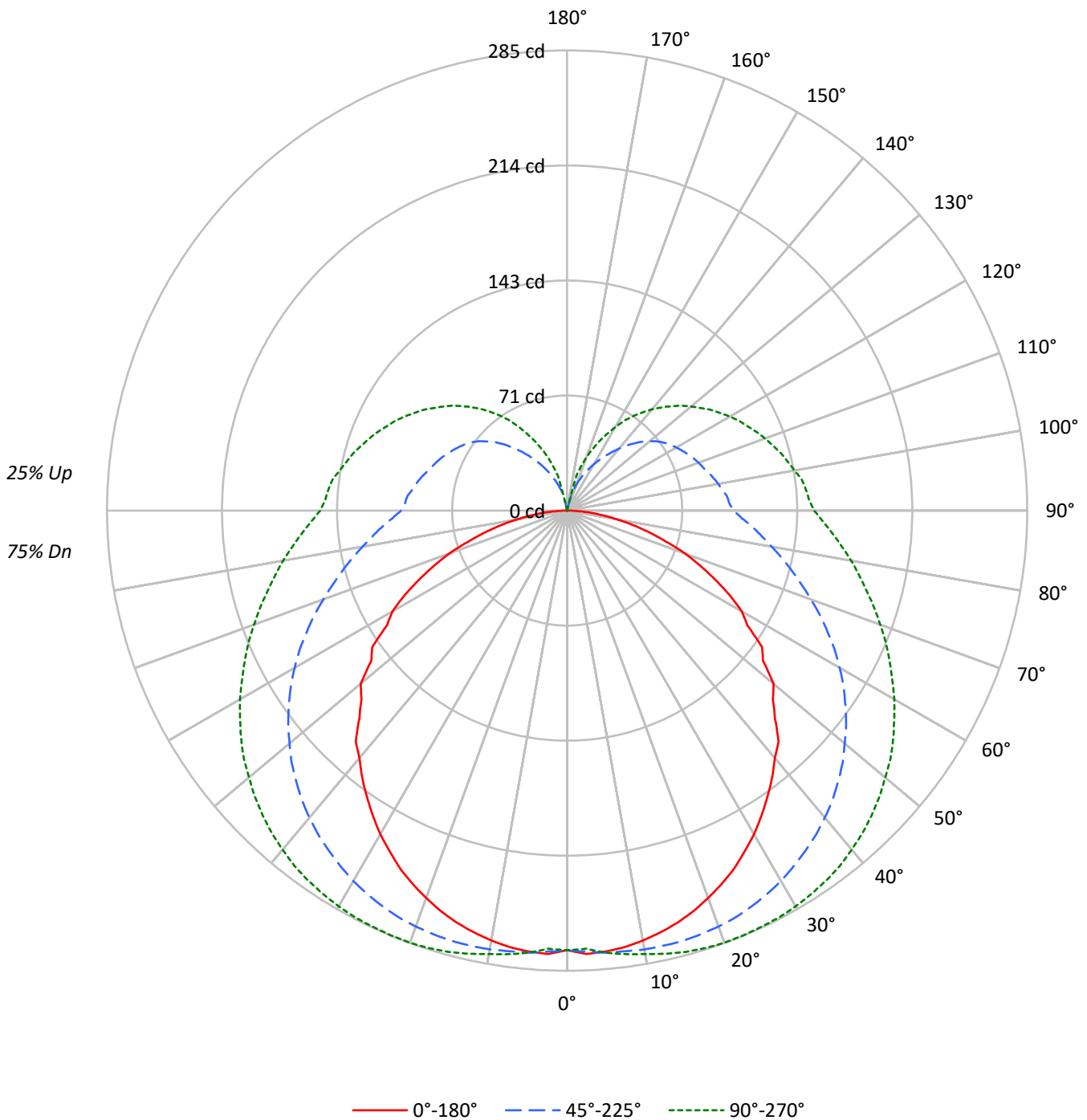
Lumens per Lamp: N/A
Luminaire Lumens: 1568.0 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Semi-Direct

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				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	4401	4401	4401
5°	4423	4342	4318
10°	4389	4295	4293
15°	4348	4264	4302
20°	4293	4237	4310
25°	4240	4214	4316
30°	4168	4194	4341
35°	4089	4170	4370
40°	4011	4158	4398
45°	3915	4142	4434
50°	3906	4121	4468
55°	3813	4111	4522
60°	3643	4101	4584
65°	3406	4091	4668
70°	3134	4101	4799
75°	2689	4175	4994
80°	2178	4343	5316
85°	1471	4698	5787



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	1.7
10°-20°	77.6	4.9
20°-30°	123.3	7.9
30°-40°	158.2	10.1
40°-50°	178.7	11.4
50°-60°	182.3	11.6
60°-70°	168.9	10.8
70°-80°	143.0	9.1
80°-90°	114.2	7.3
90°-100°	96.9	6.2
100°-110°	86.4	5.5
110°-120°	73.5	4.7
120°-130°	58.4	3.7
130°-140°	41.4	2.6
140°-150°	24.7	1.6
150°-160°	11.5	0.7
160°-170°	2.7	0.2
170°-180°	0.0	0.0
0°-30°	227.0	14.5
0°-40°	385.3	24.6
0°-60°	746.2	47.6
0°-90°	1172.3	74.8
90°-120°	256.8	16.4
90°-150°	381.4	24.3
90°-180°	396.0	25.3
0°-180°	1568.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	272	272	272	272	272	
5°	274	272	275	275	275	26
15°	264	266	276	281	283	75
25°	245	253	270	280	284	113
35°	216	232	257	273	280	135
45°	182	207	237	258	267	141
55°	147	172	210	236	246	129
65°	101	134	178	208	220	100
75°	53	94	144	179	192	57
85°	14	60	115	152	165	15
90°	1	49	103	140	153	1
95°	0	46	100	136	148	0
105°	0	43	91	125	137	0
115°	0	40	82	112	123	0
125°	0	34	73	99	109	0
135°	0	25	59	84	91	0
145°	0	17	41	63	72	0
155°	0	10	25	38	48	0
165°	0	6	11	16	22	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	272.3	272.3	272.3	272.3	272.3
2.5°	274.9	271.9	273.4	273.0	271.6
5°	274.1	271.9	274.9	274.9	274.9
7.5°	272.7	271.2	275.2	276.7	277.1
10°	270.4	270.4	276.0	278.2	278.9
12.5°	267.5	268.6	276.0	279.3	281.1
15°	264.2	266.4	276.0	281.1	283.0
17.5°	260.1	263.8	275.2	281.5	284.1
20°	255.3	260.9	274.1	281.5	284.8
22.5°	250.2	257.2	272.7	280.8	284.8
25°	244.7	252.8	270.4	280.0	284.4
27.5°	238.0	248.3	267.9	278.9	284.1
30°	231.4	243.2	264.9	277.4	283.0
32.5°	224.0	237.7	261.2	275.2	281.5
35°	216.3	232.1	257.2	273.0	279.7
37.5°	208.5	225.5	253.1	270.1	277.4
40°	200.1	218.9	248.3	266.4	274.1
42.5°	193.8	211.9	243.2	262.7	270.8
45°	182.0	206.7	237.3	257.9	266.8
47.5°	172.8	196.8	231.4	253.1	262.3
50°	166.9	188.6	224.4	247.6	257.2
52.5°	152.9	183.1	217.8	242.1	252.4
55°	147.4	172.1	210.4	236.2	246.5
57.5°	132.3	164.3	203.0	229.5	240.2
60°	124.9	153.6	194.9	222.9	234.0
62.5°	113.5	144.4	186.8	215.5	227.0
65°	101.0	134.5	178.0	208.5	220.3
67.5°	89.2	124.5	169.5	201.2	213.7
70°	77.7	114.2	160.6	193.8	206.3
72.5°	64.5	103.9	152.2	186.8	199.3
75°	53.1	94.0	144.1	179.4	192.0
77.5°	42.0	84.4	136.3	172.8	185.3
80°	31.7	75.2	128.6	165.8	178.7
82.5°	22.1	67.4	121.6	159.2	171.7
85°	13.6	60.4	115.0	152.2	165.1
87.5°	6.3	54.2	108.3	145.5	158.8
90°	0.7	49.4	102.8	140.0	152.9
92.5°	0.4	47.9	100.6	137.4	150.0
95°	0.0	46.4	99.5	136.0	148.5
97.5°	0.0	45.0	96.9	133.7	146.6
100°	0.0	44.2	95.1	130.4	143.0
102.5°	0.0	43.1	92.9	127.5	140.0
105°	0.0	42.7	90.6	124.9	137.1
107.5°	0.0	42.0	88.4	121.6	133.7
110°	0.0	41.3	86.6	118.6	130.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	40.5	84.7	115.7	127.1
115°	0.0	39.8	82.5	112.4	123.4
117.5°	0.0	38.7	80.3	109.1	120.1
120°	0.0	37.2	78.1	106.1	116.4
122.5°	0.0	35.7	75.9	102.4	112.4
125°	0.0	34.3	73.3	99.1	108.7
127.5°	0.0	32.1	70.4	95.4	104.3
130°	0.0	29.8	66.7	91.7	100.2
132.5°	0.4	27.6	63.0	87.7	96.2
135°	0.0	25.4	59.0	83.6	91.4
137.5°	0.0	23.6	54.5	79.2	86.6
140°	0.0	21.4	50.1	74.1	81.8
142.5°	0.0	18.8	45.7	68.5	76.6
145°	0.0	16.6	41.3	62.6	71.5
147.5°	0.4	14.7	37.2	56.4	66.0
150°	0.4	13.3	33.2	50.1	59.7
152.5°	0.4	11.8	29.1	44.2	53.4
155°	0.4	10.3	25.4	38.3	47.5
157.5°	0.4	8.8	21.4	32.4	41.3
160°	0.4	7.7	17.7	27.3	35.4
162.5°	0.4	6.6	14.4	21.4	29.1
165°	0.4	5.5	11.4	15.8	22.5
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)