

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-LD5-26SL-SLC-UNV-L935-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-26SL-SLC-UNV-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

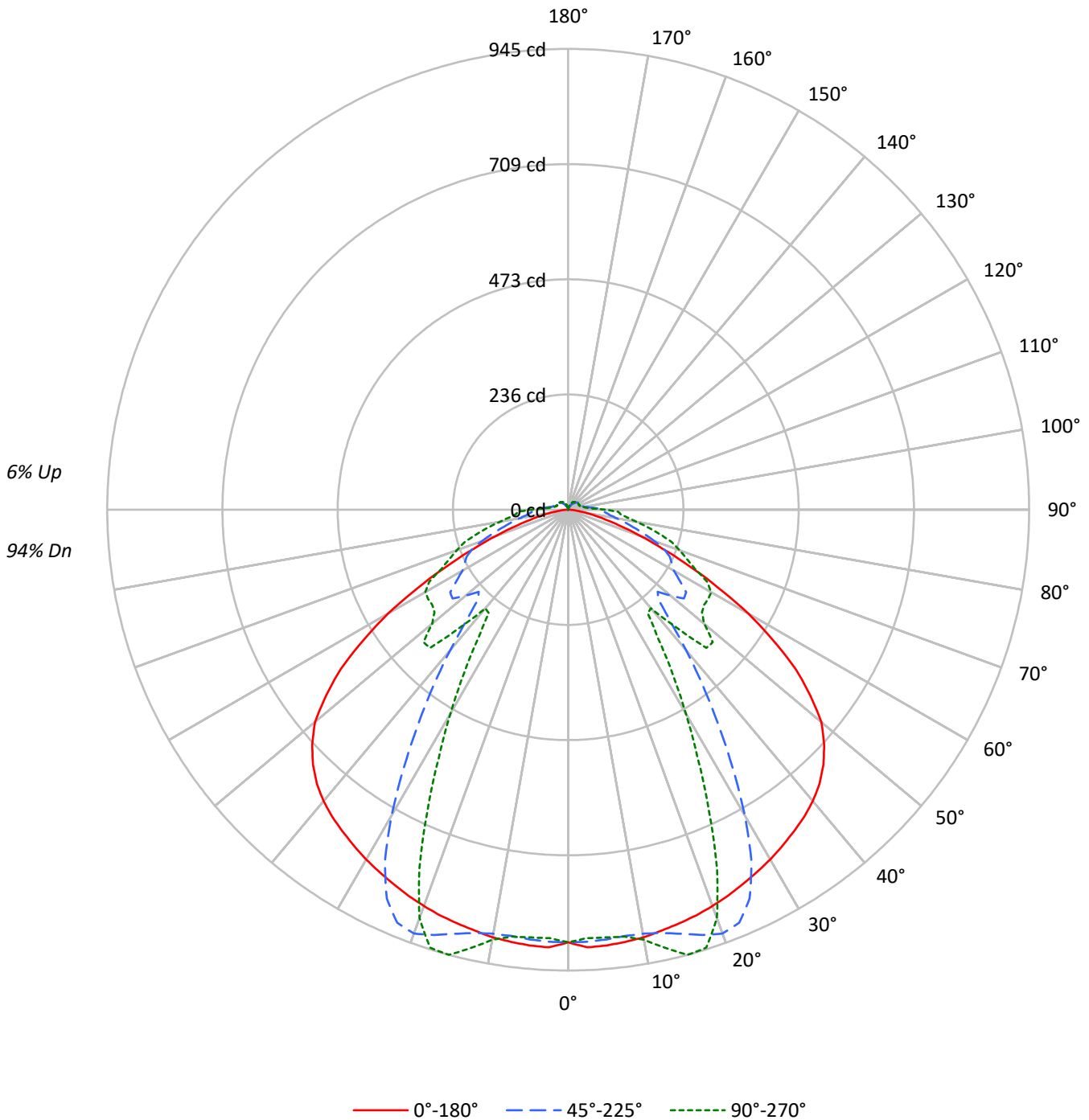
Lumens per Lamp: N/A
Luminaire Lumens: 2279.0 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): 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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94				94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78				78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66				66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56				56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49				49
5	76	64	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43				43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38				38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34				34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30				30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28				28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14339	14339	14339
5°	14474	13976	13831
10°	14452	13739	13782
15°	14452	13908	14365
20°	14543	14296	13484
25°	14678	13715	10382
30°	14920	11466	7385
35°	15234	8667	5001
40°	15636	6289	4234
45°	15917	4552	6657
50°	15854	5027	6318
55°	14722	5770	6239
60°	12440	5264	6631
65°	9257	5288	6066
70°	6400	4793	5646
75°	4096	3995	5067
80°	2508	3394	4218
85°	1233	3195	3785



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	3.7
10°-20°	254.9	11.2
20°-30°	370.3	16.2
30°-40°	353.8	15.5
40°-50°	323.6	14.2
50°-60°	298.8	13.1
60°-70°	237.3	10.4
70°-80°	146.5	6.4
80°-90°	79.8	3.5
90°-100°	40.3	1.8
100°-110°	25.3	1.1
110°-120°	21.5	0.9
120°-130°	17.5	0.8
130°-140°	12.6	0.6
140°-150°	7.8	0.3
150°-160°	3.7	0.2
160°-170°	1.0	0.0
170°-180°	0.0	0.0
0°-30°	709.6	31.1
0°-40°	1063.4	46.7
0°-60°	1685.8	74.0
0°-90°	2149.4	94.3
90°-120°	87.1	3.8
90°-150°	125.0	5.5
90°-180°	130.0	5.7
0°-180°	2279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	887	887	887	887	887	
5°	897	883	885	880	880	85
15°	878	866	900	934	945	249
25°	847	864	880	745	684	392
35°	806	793	534	368	320	505
45°	740	516	261	333	401	569
55°	569	265	295	318	340	501
65°	274	172	230	280	286	278
75°	81	92	138	183	195	92
85°	11	39	78	106	108	15
90°	0	29	70	83	77	1
95°	0	27	48	43	40	0
105°	0	24	30	27	27	0
115°	0	20	29	26	24	0
125°	0	16	26	25	24	0
135°	0	11	20	22	22	0
145°	0	7	14	18	19	0
155°	1	4	9	11	14	0
165°	1	2	4	6	8	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°	887.2	887.2	887.2	887.2	887.2
2.5°	898.2	885.2	886.8	884.1	879.3
5°	897.0	883.3	884.8	880.1	880.5
7.5°	893.9	879.7	881.7	880.9	882.9
10°	890.3	875.4	882.9	889.5	895.4
12.5°	884.1	870.7	888.8	908.4	920.6
15°	878.2	866.4	900.2	933.5	944.9
17.5°	872.3	864.8	914.3	943.4	941.8
20°	864.8	864.0	924.9	915.1	891.1
22.5°	856.6	864.4	916.6	844.8	797.6
25°	847.1	863.6	880.1	745.0	684.1
27.5°	837.7	860.1	813.8	635.8	575.8
30°	828.3	850.7	724.2	536.1	481.5
32.5°	817.3	830.2	626.8	447.7	397.4
35°	805.9	792.9	534.5	368.0	320.1
37.5°	794.1	739.1	451.6	298.1	267.5
40°	780.0	671.6	375.5	255.7	263.9
42.5°	762.3	595.4	308.3	268.2	325.6
45°	739.9	516.1	260.8	332.6	400.6
47.5°	711.6	439.9	249.0	381.0	402.2
50°	677.5	370.0	273.7	365.2	363.7
52.5°	625.6	311.8	298.9	333.0	345.6
55°	569.1	264.7	295.3	317.7	340.1
57.5°	497.6	232.9	271.0	314.6	340.5
60°	426.5	211.7	250.2	314.2	338.5
62.5°	348.0	192.4	239.6	306.7	321.3
65°	274.5	171.6	230.1	279.6	286.3
67.5°	210.5	150.4	213.6	249.4	262.7
70°	158.7	129.6	187.7	226.2	242.7
72.5°	114.3	110.0	161.0	205.8	223.1
75°	80.9	91.5	137.9	182.6	194.8
77.5°	55.8	74.6	118.2	157.1	166.9
80°	36.5	59.7	100.5	135.1	141.8
82.5°	22.0	47.9	87.2	118.2	121.7
85°	11.4	38.9	78.2	106.4	108.0
87.5°	3.5	32.6	73.0	100.9	102.9
90°	0.4	29.1	69.9	82.9	76.6
92.5°	0.0	27.5	60.5	56.6	50.7
95°	0.0	27.1	48.3	42.8	40.5
97.5°	0.0	26.3	39.7	35.7	34.6
100°	0.0	25.5	34.2	31.4	31.0
102.5°	0.0	25.1	31.0	28.7	28.3
105°	0.0	24.3	29.8	27.1	26.7
107.5°	0.0	23.2	29.1	26.3	25.5
110°	0.0	22.0	29.1	25.9	24.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.8	29.1	25.5	24.3
115°	0.0	20.0	28.7	25.5	24.3
117.5°	0.4	19.2	28.3	25.5	24.3
120°	0.0	18.5	27.5	25.5	24.0
122.5°	0.4	17.3	26.7	25.1	24.0
125°	0.4	16.1	25.5	24.7	23.6
127.5°	0.4	14.9	24.3	24.0	22.8
130°	0.4	13.7	23.2	23.6	22.4
132.5°	0.4	12.6	21.6	22.8	22.0
135°	0.4	11.4	20.4	22.4	21.6
137.5°	0.4	10.2	18.9	21.2	21.2
140°	0.4	9.0	17.3	20.4	20.8
142.5°	0.4	8.2	15.7	19.6	20.0
145°	0.4	7.1	14.1	18.1	19.2
147.5°	0.4	6.3	12.6	16.5	18.1
150°	0.4	5.5	11.0	14.9	16.5
152.5°	0.4	4.7	9.8	13.0	15.3
155°	0.8	4.3	8.6	11.4	13.7
157.5°	0.8	3.5	7.1	9.8	11.8
160°	0.8	3.1	6.3	8.2	10.6
162.5°	0.8	2.7	5.1	7.1	9.0
165°	0.8	2.4	4.3	5.5	7.5
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)