

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-SLN-UNV-L950-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 (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-26SL-SLN-UNV-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

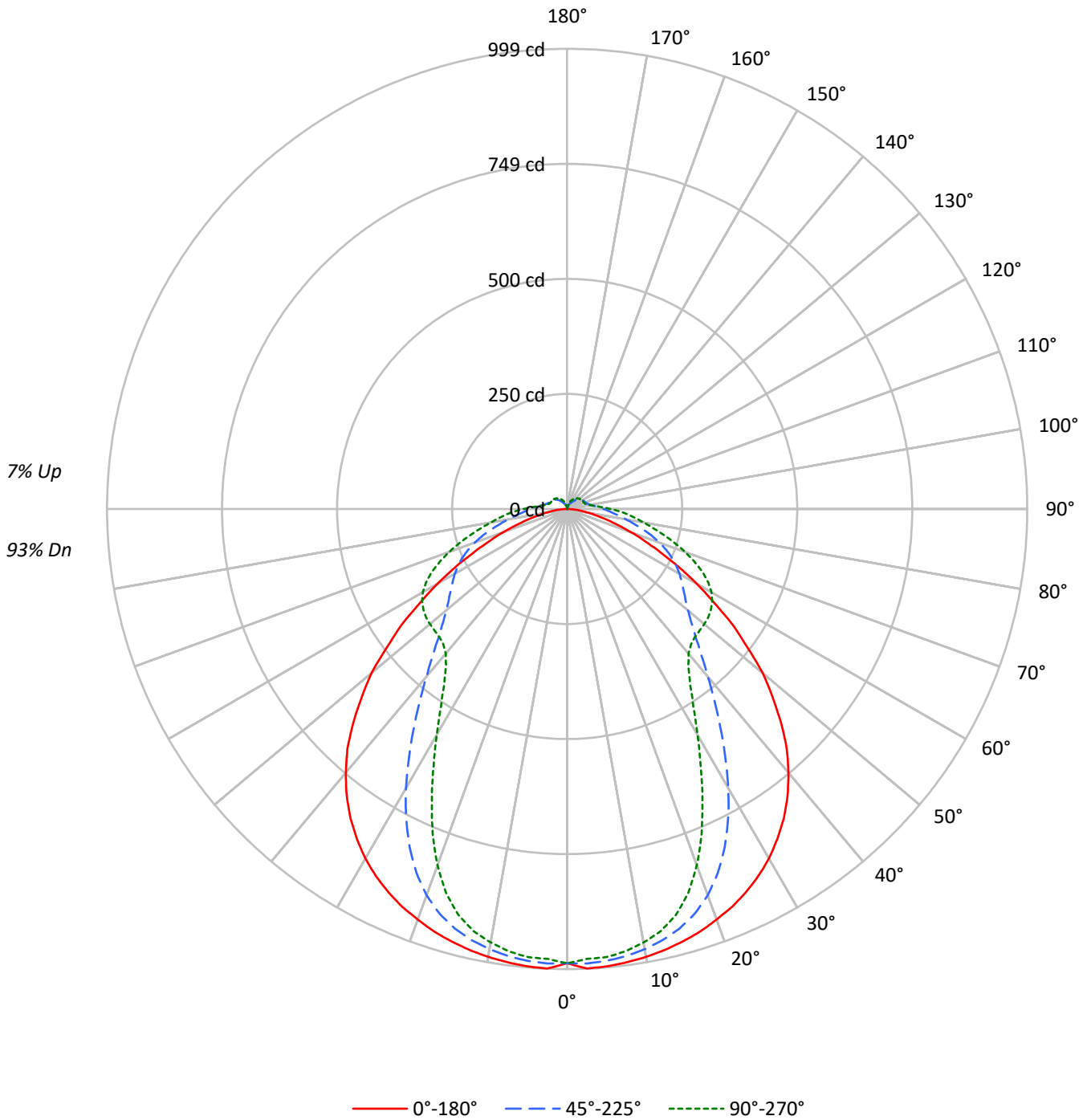
Lumens per Lamp: N/A
Luminaire Lumens: 2480.0 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
Input Voltage (V): NR
Input Current (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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15937	15937	15937
5°	16077	15557	15342
10°	16028	15100	14711
15°	15989	14568	13871
20°	15949	13793	12458
25°	15907	12616	10549
30°	15779	11081	8677
35°	15499	9409	7271
40°	14983	7953	6573
45°	14125	6896	6524
50°	12978	6289	6753
55°	11354	6029	6989
60°	9500	5925	7085
65°	7557	5771	6865
70°	5981	5449	6330
75°	4405	4905	5618
80°	3120	4370	4997
85°	1904	4081	4595



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	3.8
10°-20°	263.7	10.6
20°-30°	368.6	14.9
30°-40°	382.4	15.4
40°-50°	353.2	14.2
50°-60°	315.4	12.7
60°-70°	255.6	10.3
70°-80°	170.0	6.9
80°-90°	97.4	3.9
90°-100°	53.9	2.2
100°-110°	36.5	1.5
110°-120°	30.4	1.2
120°-130°	24.7	1.0
130°-140°	17.8	0.7
140°-150°	10.7	0.4
150°-160°	5.2	0.2
160°-170°	1.3	0.1
170°-180°	0.0	0.0
0°-30°	725.6	29.3
0°-40°	1108.0	44.7
0°-60°	1776.6	71.6
0°-90°	2299.6	92.7
90°-120°	120.7	4.9
90°-150°	173.9	7.0
90°-180°	180.0	7.3
0°-180°	2480.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	986	986	986	986	986	
5°	996	980	985	978	977	95
15°	972	951	943	921	912	275
25°	918	877	810	725	695	423
35°	820	730	580	487	465	512
45°	657	520	395	381	393	505
55°	439	332	309	359	381	390
65°	224	201	251	308	324	227
75°	87	109	169	207	216	95
85°	18	51	100	128	131	20
90°	1	36	79	95	94	1
95°	1	30	63	67	65	1
105°	0	26	45	44	42	0
115°	0	24	40	39	38	0
125°	0	20	35	37	36	0
135°	1	15	28	33	33	1
145°	1	9	19	25	27	1
155°	1	6	12	16	19	0
165°	1	3	6	8	10	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°	986.1	986.1	986.1	986.1	986.1
2.5°	998.6	982.3	987.4	983.1	977.6
5°	996.4	979.7	984.9	978.0	976.7
7.5°	992.6	975.9	978.9	970.7	968.6
10°	987.4	969.9	970.3	958.7	955.7
12.5°	980.6	961.3	958.7	942.9	938.6
15°	971.6	951.0	942.9	921.4	912.4
17.5°	961.7	937.7	921.0	888.0	873.9
20°	948.4	921.4	892.3	842.1	823.3
22.5°	935.1	901.7	855.0	788.1	762.9
25°	918.0	877.3	809.6	724.7	695.1
27.5°	898.7	848.6	757.3	659.6	627.9
30°	876.0	813.9	699.9	595.7	565.7
32.5°	849.4	774.9	639.4	538.3	510.4
35°	819.9	729.9	580.3	487.3	465.4
37.5°	786.0	680.6	525.4	446.1	432.0
40°	747.4	627.0	474.9	414.4	409.7
42.5°	705.9	574.7	431.6	393.9	398.1
45°	656.6	520.3	395.1	381.0	392.6
47.5°	604.7	467.1	365.6	373.7	390.4
50°	554.6	417.9	342.4	369.0	388.7
52.5°	492.4	373.7	324.0	364.7	386.1
55°	438.9	331.7	308.6	358.7	381.0
57.5°	377.1	294.0	294.9	351.0	373.3
60°	325.7	259.7	281.6	340.3	361.7
62.5°	273.4	228.9	267.0	326.1	345.4
65°	224.1	200.6	251.1	307.7	324.0
67.5°	183.0	174.9	233.1	285.4	299.1
70°	148.3	151.3	213.4	260.6	272.1
72.5°	114.0	129.4	192.0	234.0	243.9
75°	87.0	108.9	169.3	207.4	216.0
77.5°	64.3	90.9	148.7	183.4	190.7
80°	45.4	75.0	129.4	162.4	168.0
82.5°	30.4	61.7	113.6	143.6	148.7
85°	17.6	50.6	99.9	127.7	131.1
87.5°	7.3	42.0	88.7	111.4	113.1
90°	0.9	35.6	78.9	95.1	94.3
92.5°	0.9	32.1	70.3	79.7	77.6
95°	0.9	30.0	62.6	66.9	64.7
97.5°	0.9	28.7	55.7	57.4	55.3
100°	0.4	27.9	51.0	51.0	48.9
102.5°	0.4	27.0	47.6	46.3	44.6
105°	0.4	26.1	45.0	43.7	41.6
107.5°	0.4	25.7	43.3	42.0	39.9
110°	0.4	24.9	42.0	40.7	39.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	24.4	41.1	40.3	38.1
115°	0.4	23.6	39.9	39.4	38.1
117.5°	0.4	22.7	39.0	39.0	37.7
120°	0.4	21.9	37.7	38.6	37.3
122.5°	0.4	21.0	36.4	37.7	36.4
125°	0.4	20.1	35.1	36.9	36.0
127.5°	0.9	18.9	33.4	36.0	35.1
130°	0.4	17.6	31.7	35.1	34.7
132.5°	0.9	16.3	30.0	33.9	33.9
135°	0.9	15.0	27.9	32.6	32.6
137.5°	0.9	13.3	25.7	30.9	31.3
140°	0.9	12.0	23.6	29.1	30.0
142.5°	0.9	10.7	21.4	27.4	28.7
145°	0.9	9.4	19.3	25.3	27.0
147.5°	0.9	8.6	17.1	22.7	25.3
150°	0.9	7.3	15.4	20.6	23.1
152.5°	0.9	6.4	13.7	18.4	21.4
155°	0.9	6.0	12.0	15.9	19.3
157.5°	0.9	5.1	10.3	13.7	17.1
160°	0.9	4.3	8.6	12.0	14.6
162.5°	0.9	3.9	7.3	9.9	12.9
165°	0.9	3.4	6.0	7.7	10.3
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)