

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: **4SNLED-LD5-26SL-SLN-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 (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-26SL-SLN-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

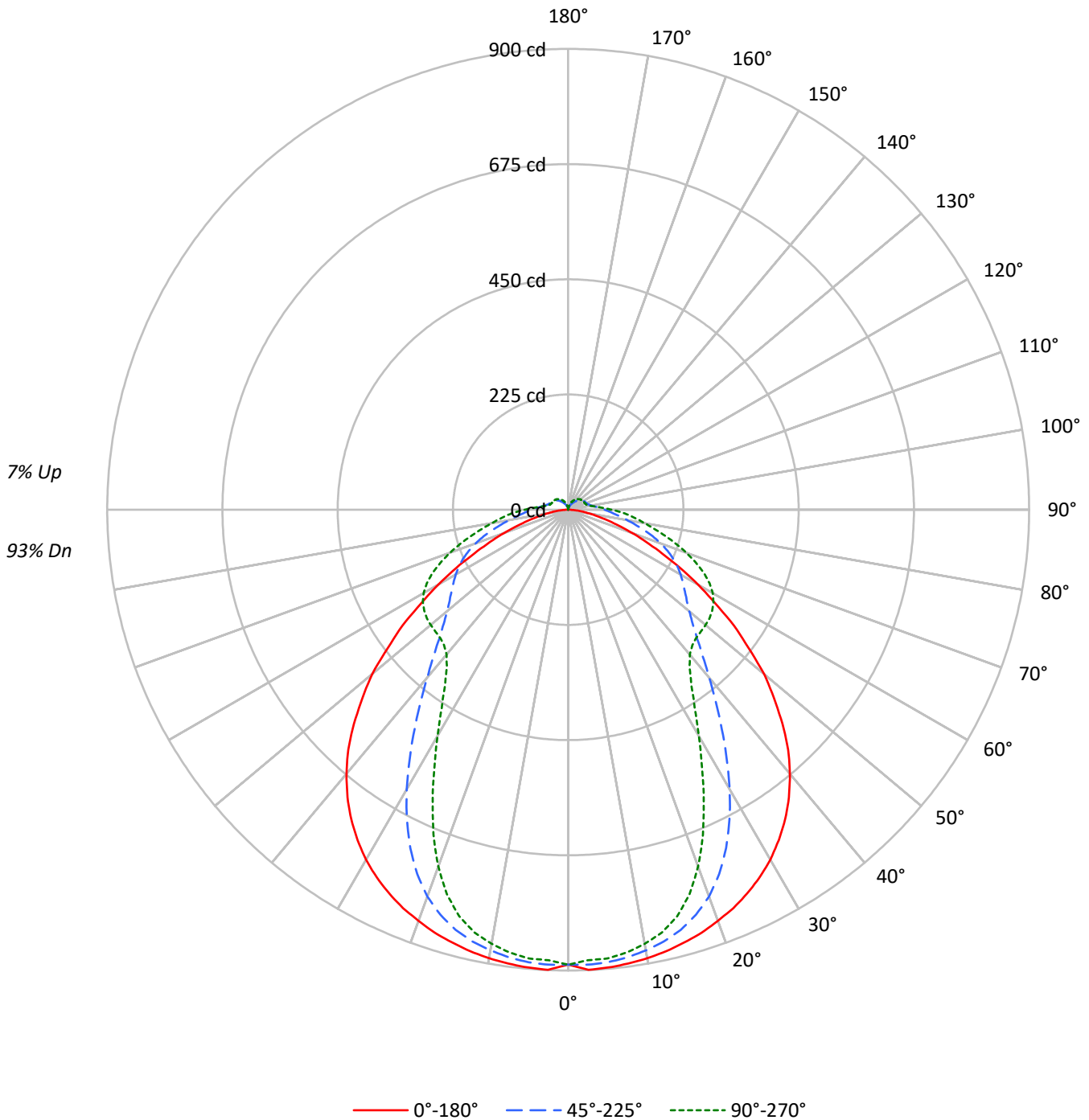
Lumens per Lamp: N/A
Luminaire Lumens: 2234.0 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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	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°	7178	7178	7178
5°	7261	7020	6910
10°	7259	6826	6626
15°	7261	6597	6248
20°	7265	6258	5611
25°	7267	5734	4752
30°	7233	5045	3908
35°	7129	4292	3276
40°	6921	3636	2961
45°	6554	3159	2938
50°	6055	2889	3042
55°	5331	2777	3148
60°	4498	2736	3191
65°	3618	2676	3092
70°	2907	2538	2851
75°	2192	2297	2531
80°	1617	2063	2250
85°	1079	1947	2070



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	3.8
10°-20°	237.5	10.6
20°-30°	332.1	14.9
30°-40°	344.4	15.4
40°-50°	318.2	14.2
50°-60°	284.1	12.7
60°-70°	230.2	10.3
70°-80°	153.2	6.9
80°-90°	87.7	3.9
90°-100°	48.5	2.2
100°-110°	32.9	1.5
110°-120°	27.4	1.2
120°-130°	22.2	1.0
130°-140°	16.0	0.7
140°-150°	9.7	0.4
150°-160°	4.7	0.2
160°-170°	1.2	0.1
170°-180°	0.0	0.0
0°-30°	653.7	29.3
0°-40°	998.1	44.7
0°-60°	1600.4	71.6
0°-90°	2071.5	92.7
90°-120°	108.7	4.9
90°-150°	156.7	7.0
90°-180°	163.0	7.3
0°-180°	2234.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	888	888	888	888	888	
5°	898	882	887	881	880	85
15°	875	857	849	830	822	247
25°	827	790	729	653	626	381
35°	738	658	523	439	419	461
45°	591	469	356	343	354	455
55°	395	299	278	323	343	352
65°	202	181	226	277	292	204
75°	78	98	152	187	195	86
85°	16	46	90	115	118	18
90°	1	32	71	86	85	1
95°	1	27	56	60	58	1
105°	0	24	40	39	37	0
115°	0	21	36	36	34	0
125°	0	18	32	33	32	0
135°	1	14	25	29	29	1
145°	1	8	17	23	24	1
155°	1	5	11	14	17	0
165°	1	3	5	7	9	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°	888.3	888.3	888.3	888.3	888.3
2.5°	899.5	884.9	889.5	885.6	880.6
5°	897.6	882.5	887.2	881.0	879.8
7.5°	894.1	879.1	881.8	874.4	872.5
10°	889.5	873.7	874.0	863.6	860.9
12.5°	883.3	865.9	863.6	849.3	845.5
15°	875.2	856.7	849.3	830.0	821.9
17.5°	866.3	844.7	829.6	799.9	787.2
20°	854.4	830.0	803.8	758.6	741.6
22.5°	842.4	812.3	770.2	710.0	687.2
25°	826.9	790.3	729.3	652.8	626.2
27.5°	809.6	764.4	682.2	594.1	565.6
30°	789.1	733.1	630.4	536.6	509.6
32.5°	765.2	698.0	576.0	484.9	459.8
35°	738.5	657.5	522.7	439.0	419.3
37.5°	708.0	613.1	473.3	401.9	389.2
40°	673.3	564.8	427.8	373.3	369.1
42.5°	635.8	517.7	388.8	354.8	358.7
45°	591.4	468.7	355.9	343.2	353.6
47.5°	544.7	420.8	329.3	336.6	351.7
50°	499.6	376.4	308.5	332.4	350.2
52.5°	443.6	336.6	291.9	328.5	347.8
55°	395.3	298.8	278.0	323.1	343.2
57.5°	339.7	264.8	265.6	316.2	336.3
60°	293.4	234.0	253.6	306.5	325.8
62.5°	246.3	206.2	240.5	293.8	311.2
65°	201.9	180.7	226.2	277.2	291.9
67.5°	164.8	157.5	210.0	257.1	269.5
70°	133.6	136.3	192.3	234.7	245.1
72.5°	102.7	116.6	173.0	210.8	219.7
75°	78.4	98.1	152.5	186.9	194.6
77.5°	57.9	81.8	134.0	165.2	171.8
80°	40.9	67.6	116.6	146.3	151.3
82.5°	27.4	55.6	102.3	129.3	134.0
85°	15.8	45.6	90.0	115.0	118.1
87.5°	6.6	37.8	79.9	100.4	101.9
90°	0.8	32.0	71.0	85.7	84.9
92.5°	0.8	29.0	63.3	71.8	69.9
95°	0.8	27.0	56.4	60.2	58.3
97.5°	0.8	25.9	50.2	51.7	49.8
100°	0.4	25.1	45.9	45.9	44.0
102.5°	0.4	24.3	42.9	41.7	40.2
105°	0.4	23.5	40.5	39.4	37.4
107.5°	0.4	23.2	39.0	37.8	35.9
110°	0.4	22.4	37.8	36.7	35.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	22.0	37.1	36.3	34.4
115°	0.4	21.2	35.9	35.5	34.4
117.5°	0.4	20.5	35.1	35.1	34.0
120°	0.4	19.7	34.0	34.7	33.6
122.5°	0.4	18.9	32.8	34.0	32.8
125°	0.4	18.1	31.7	33.2	32.4
127.5°	0.8	17.0	30.1	32.4	31.7
130°	0.4	15.8	28.6	31.7	31.3
132.5°	0.8	14.7	27.0	30.5	30.5
135°	0.8	13.5	25.1	29.3	29.3
137.5°	0.8	12.0	23.2	27.8	28.2
140°	0.8	10.8	21.2	26.3	27.0
142.5°	0.8	9.7	19.3	24.7	25.9
145°	0.8	8.5	17.4	22.8	24.3
147.5°	0.8	7.7	15.4	20.5	22.8
150°	0.8	6.6	13.9	18.5	20.8
152.5°	0.8	5.8	12.4	16.6	19.3
155°	0.8	5.4	10.8	14.3	17.4
157.5°	0.8	4.6	9.3	12.4	15.4
160°	0.8	3.9	7.7	10.8	13.1
162.5°	0.8	3.5	6.6	8.9	11.6
165°	0.8	3.1	5.4	6.9	9.3
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)