

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-SLC-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-26SL-SLC-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

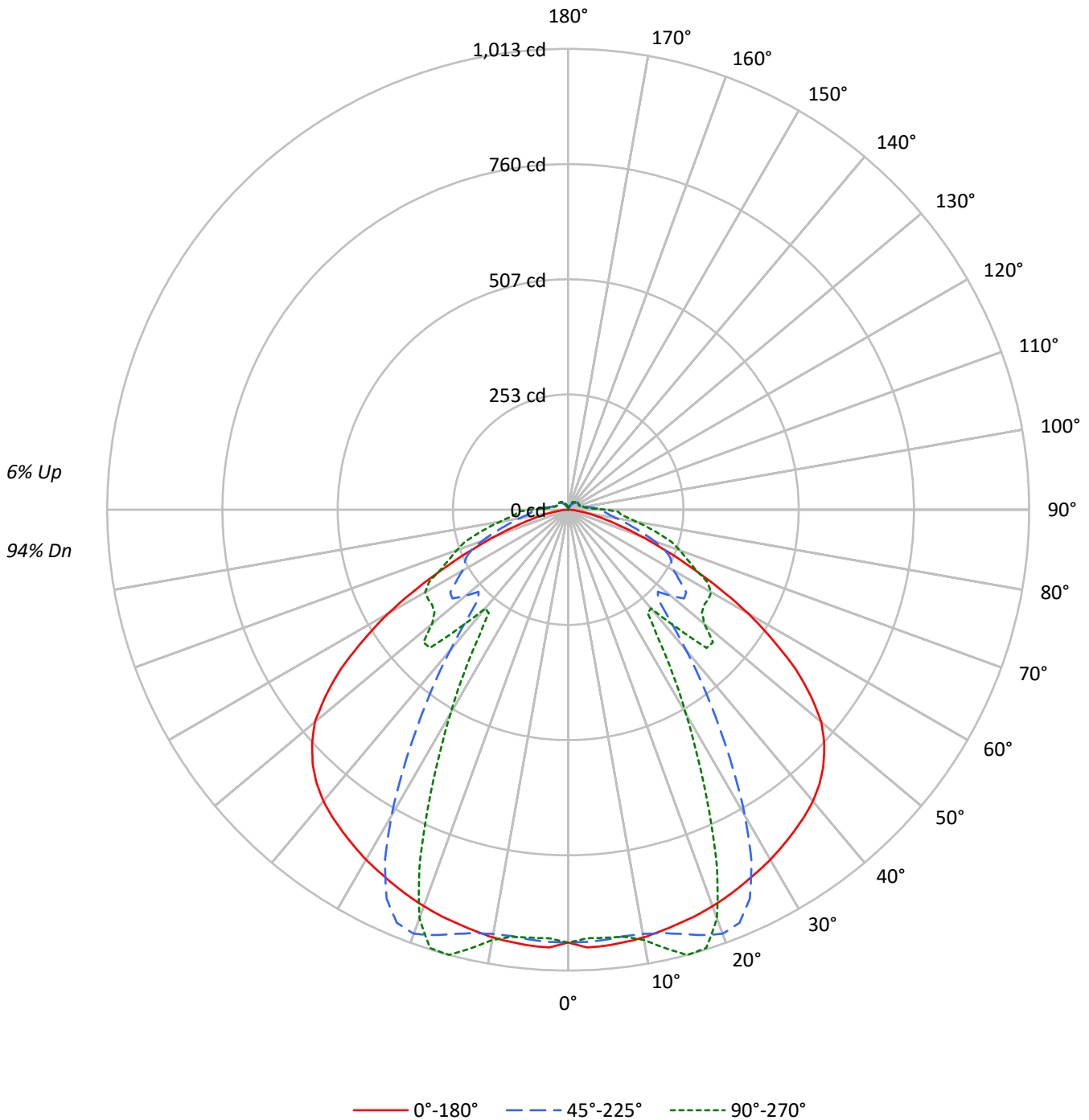
Lumens per Lamp: N/A
Luminaire Lumens: 2444.0 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7688	7688	7688
5°	7782	7508	7416
10°	7792	7394	7391
15°	7813	7498	7703
20°	7886	7722	7230
25°	7984	7420	5567
30°	8142	6215	3960
35°	8343	4707	2682
40°	8598	3422	2270
45°	8794	2483	3570
50°	8805	2749	3388
55°	8231	3163	3345
60°	7013	2895	3555
65°	5276	2919	3252
70°	3703	2657	3028
75°	2427	2226	2717
80°	1550	1907	2261
85°	833	1813	2029



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	3.7
10°-20°	273.4	11.2
20°-30°	397.1	16.2
30°-40°	379.4	15.5
40°-50°	347.0	14.2
50°-60°	320.4	13.1
60°-70°	254.5	10.4
70°-80°	157.1	6.4
80°-90°	85.5	3.5
90°-100°	43.2	1.8
100°-110°	27.2	1.1
110°-120°	23.0	0.9
120°-130°	18.8	0.8
130°-140°	13.5	0.6
140°-150°	8.3	0.3
150°-160°	3.9	0.2
160°-170°	1.0	0.0
170°-180°	0.0	0.0
0°-30°	761.0	31.1
0°-40°	1140.3	46.7
0°-60°	1807.8	74.0
0°-90°	2305.0	94.3
90°-120°	93.4	3.8
90°-150°	134.0	5.5
90°-180°	139.0	5.7
0°-180°	2444.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	951	951	951	951	951	
5°	962	947	949	944	944	92
15°	942	929	965	1001	1013	267
25°	908	926	944	799	734	420
35°	864	850	573	395	343	542
45°	794	553	280	357	430	610
55°	610	284	317	341	365	537
65°	294	184	247	300	307	298
75°	87	98	148	196	209	98
85°	12	42	84	114	116	16
90°	0	31	75	89	82	1
95°	0	29	52	46	43	0
105°	0	26	32	29	29	0
115°	0	22	31	27	26	0
125°	0	17	27	26	25	0
135°	0	12	22	24	23	0
145°	0	8	15	19	21	0
155°	1	5	9	12	15	0
165°	1	2	5	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°	951.4	951.4	951.4	951.4	951.4
2.5°	963.2	949.3	951.0	948.1	943.0
5°	962.0	947.2	948.9	943.8	944.3
7.5°	958.6	943.4	945.5	944.7	946.8
10°	954.8	938.8	946.8	954.0	960.3
12.5°	948.1	933.7	953.1	974.2	987.2
15°	941.7	929.1	965.3	1001.1	1013.3
17.5°	935.4	927.4	980.5	1011.7	1010.0
20°	927.4	926.6	991.9	981.3	955.6
22.5°	918.6	927.0	983.0	905.9	855.4
25°	908.5	926.2	943.8	799.0	733.7
27.5°	898.4	922.4	872.7	681.9	617.4
30°	888.3	912.3	776.6	574.9	516.4
32.5°	876.5	890.4	672.2	480.1	426.2
35°	864.2	850.3	573.2	394.6	343.3
37.5°	851.6	792.6	484.3	319.7	286.8
40°	836.4	720.2	402.6	274.2	283.0
42.5°	817.5	638.5	330.6	287.7	349.2
45°	793.5	553.4	279.7	356.7	429.6
47.5°	763.2	471.7	267.0	408.5	431.3
50°	726.5	396.7	293.6	391.7	390.0
52.5°	670.9	334.4	320.5	357.2	370.6
55°	610.3	283.9	316.7	340.7	364.7
57.5°	533.6	249.8	290.6	337.4	365.2
60°	457.4	227.0	268.3	336.9	363.0
62.5°	373.2	206.4	256.9	328.9	344.5
65°	294.4	184.1	246.8	299.9	307.0
67.5°	225.7	161.3	229.1	267.4	281.8
70°	170.2	139.0	201.3	242.6	260.3
72.5°	122.6	117.9	172.7	220.7	239.2
75°	86.8	98.1	147.8	195.8	208.9
77.5°	59.8	80.0	126.8	168.5	179.0
80°	39.2	64.0	107.8	144.9	152.0
82.5°	23.6	51.4	93.5	126.8	130.6
85°	12.2	41.7	83.8	114.1	115.8
87.5°	3.8	35.0	78.3	108.2	110.3
90°	0.4	31.2	75.0	88.9	82.1
92.5°	0.0	29.5	64.9	60.6	54.3
95°	0.0	29.1	51.8	45.9	43.4
97.5°	0.0	28.2	42.5	38.3	37.1
100°	0.0	27.4	36.6	33.7	33.3
102.5°	0.0	27.0	33.3	30.7	30.3
105°	0.0	26.1	32.0	29.1	28.6
107.5°	0.0	24.8	31.2	28.2	27.4
110°	0.0	23.6	31.2	27.8	26.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.3	31.2	27.4	26.1
115°	0.0	21.5	30.7	27.4	26.1
117.5°	0.4	20.6	30.3	27.4	26.1
120°	0.0	19.8	29.5	27.4	25.7
122.5°	0.4	18.5	28.6	27.0	25.7
125°	0.4	17.3	27.4	26.5	25.3
127.5°	0.4	16.0	26.1	25.7	24.4
130°	0.4	14.7	24.8	25.3	24.0
132.5°	0.4	13.5	23.2	24.4	23.6
135°	0.4	12.2	21.9	24.0	23.2
137.5°	0.4	11.0	20.2	22.7	22.7
140°	0.4	9.7	18.5	21.9	22.3
142.5°	0.4	8.8	16.8	21.1	21.5
145°	0.4	7.6	15.2	19.4	20.6
147.5°	0.4	6.7	13.5	17.7	19.4
150°	0.4	5.9	11.8	16.0	17.7
152.5°	0.4	5.1	10.5	13.9	16.4
155°	0.8	4.6	9.3	12.2	14.7
157.5°	0.8	3.8	7.6	10.5	12.6
160°	0.8	3.4	6.7	8.8	11.4
162.5°	0.8	2.9	5.5	7.6	9.7
165°	0.8	2.5	4.6	5.9	8.0
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)