

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-L830-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-L830-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

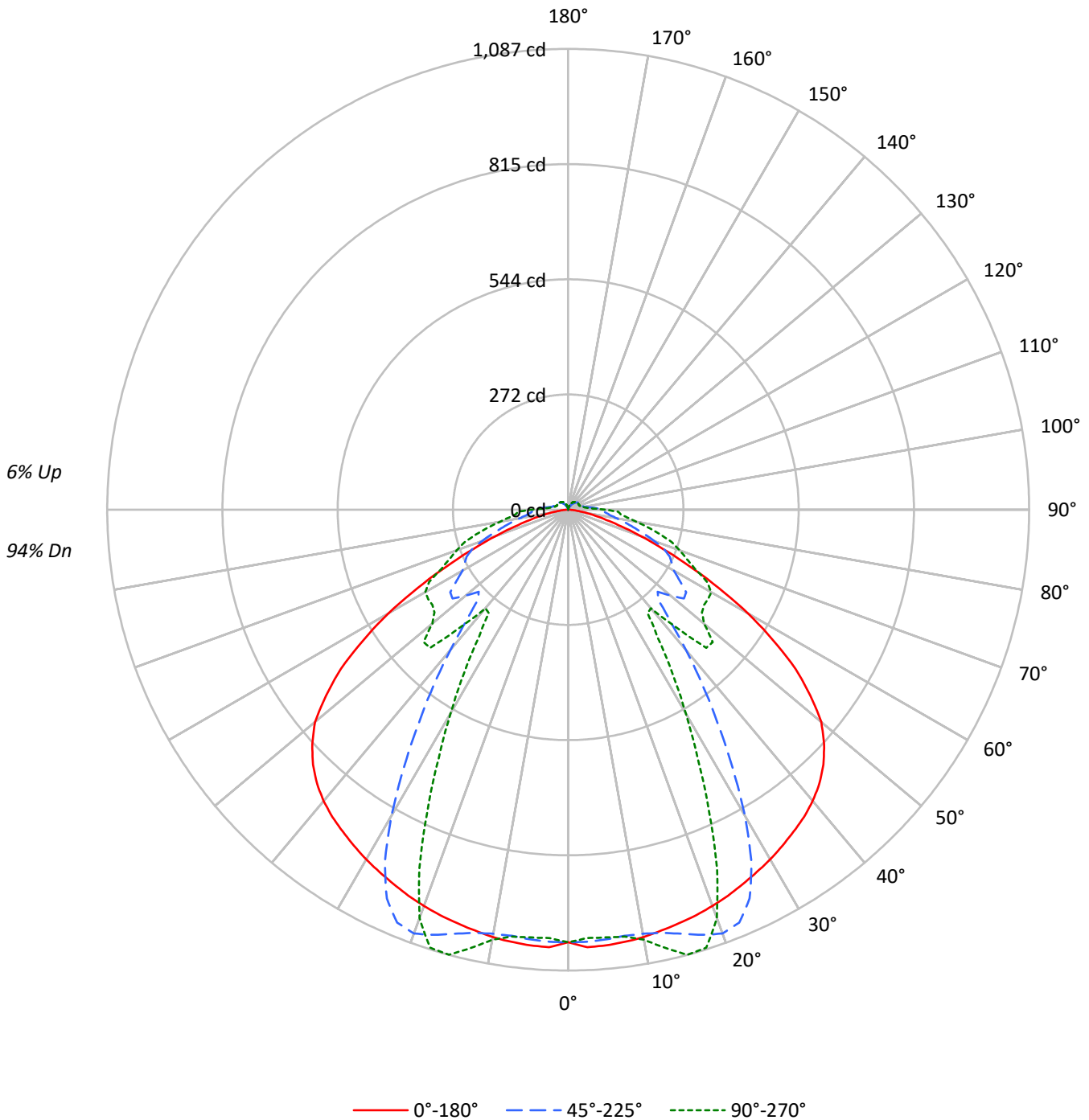
Lumens per Lamp: N/A  
Luminaire Lumens: 2621.0 lumens  
Efficiency: N/A  
Efficacy: 145.6 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

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	63	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°	8245	8245	8245
5°	8345	8052	7954
10°	8356	7930	7926
15°	8379	8041	8261
20°	8457	8281	7754
25°	8562	7958	5970
30°	8731	6665	4247
35°	8947	5048	2876
40°	9221	3670	2435
45°	9431	2662	3828
50°	9443	2948	3633
55°	8827	3393	3587
60°	7520	3104	3813
65°	5657	3131	3488
70°	3971	2850	3246
75°	2600	2387	2913
80°	1660	2045	2426
85°	895	1945	2177



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.1	3.7
10°-20°	293.1	11.2
20°-30°	425.8	16.2
30°-40°	406.9	15.5
40°-50°	372.2	14.2
50°-60°	343.6	13.1
60°-70°	273.0	10.4
70°-80°	168.5	6.4
80°-90°	91.7	3.5
90°-100°	46.4	1.8
100°-110°	29.1	1.1
110°-120°	24.7	0.9
120°-130°	20.2	0.8
130°-140°	14.5	0.6
140°-150°	8.9	0.3
150°-160°	4.2	0.2
160°-170°	1.1	0.0
170°-180°	0.0	0.0
0°-30°	816.1	31.1
0°-40°	1222.9	46.7
0°-60°	1938.7	74.0
0°-90°	2471.9	94.3
90°-120°	100.2	3.8
90°-150°	143.8	5.5
90°-180°	149.0	5.7
0°-180°	2621.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1020	1020	1020	1020	1020	
5°	1032	1016	1018	1012	1013	98
15°	1010	996	1035	1074	1087	286
25°	974	993	1012	857	787	450
35°	927	912	615	423	368	581
45°	851	594	300	383	461	654
55°	654	304	340	365	391	576
65°	316	197	265	322	329	319
75°	93	105	158	210	224	105
85°	13	45	90	122	124	17
90°	0	33	80	95	88	1
95°	0	31	56	49	46	0
105°	0	28	34	31	31	0
115°	0	23	33	29	28	0
125°	0	18	29	28	27	0
135°	0	13	24	26	25	0
145°	0	8	16	21	22	0
155°	1	5	10	13	16	0
165°	1	3	5	6	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°	1020.3	1020.3	1020.3	1020.3	1020.3
2.5°	1033.0	1018.1	1019.9	1016.7	1011.3
5°	1031.6	1015.8	1017.6	1012.2	1012.7
7.5°	1028.0	1011.7	1014.0	1013.1	1015.4
10°	1023.9	1006.8	1015.4	1023.0	1029.8
12.5°	1016.7	1001.4	1022.1	1044.7	1058.7
15°	1009.9	996.4	1035.2	1073.6	1086.7
17.5°	1003.2	994.6	1051.5	1084.9	1083.1
20°	994.6	993.7	1063.7	1052.4	1024.8
22.5°	985.1	994.1	1054.2	971.5	917.3
25°	974.3	993.2	1012.2	856.8	786.8
27.5°	963.4	989.2	935.9	731.3	662.2
30°	952.6	978.3	832.9	616.5	553.8
32.5°	939.9	954.8	720.9	514.9	457.1
35°	926.8	911.9	614.7	423.2	368.1
37.5°	913.3	850.0	519.4	342.8	307.6
40°	897.0	772.4	431.8	294.0	303.5
42.5°	876.7	684.7	354.6	308.5	374.4
45°	851.0	593.5	299.9	382.6	460.7
47.5°	818.4	505.9	286.4	438.1	462.5
50°	779.1	425.5	314.8	420.1	418.2
52.5°	719.5	358.6	343.7	383.0	397.5
55°	654.5	304.4	339.7	365.4	391.1
57.5°	572.3	267.8	311.7	361.8	391.6
60°	490.5	243.5	287.7	361.3	389.3
62.5°	400.2	221.3	275.5	352.8	369.5
65°	315.7	197.4	264.7	321.6	329.3
67.5°	242.1	173.0	245.7	286.8	302.2
70°	182.5	149.1	215.9	260.2	279.1
72.5°	131.4	126.5	185.2	236.7	256.6
75°	93.0	105.2	158.5	210.0	224.0
77.5°	64.1	85.8	136.0	180.7	192.0
80°	42.0	68.7	115.6	155.4	163.1
82.5°	25.3	55.1	100.3	136.0	140.0
85°	13.1	44.7	89.9	122.4	124.2
87.5°	4.1	37.5	84.0	116.1	118.3
90°	0.5	33.4	80.4	95.3	88.1
92.5°	0.0	31.6	69.6	65.0	58.3
95°	0.0	31.2	55.6	49.2	46.5
97.5°	0.0	30.3	45.6	41.1	39.7
100°	0.0	29.4	39.3	36.1	35.7
102.5°	0.0	28.9	35.7	33.0	32.5
105°	0.0	28.0	34.3	31.2	30.7
107.5°	0.0	26.6	33.4	30.3	29.4
110°	0.0	25.3	33.4	29.8	28.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.9	33.4	29.4	28.0
115°	0.0	23.0	33.0	29.4	28.0
117.5°	0.5	22.1	32.5	29.4	28.0
120°	0.0	21.2	31.6	29.4	27.6
122.5°	0.5	19.9	30.7	28.9	27.6
125°	0.5	18.5	29.4	28.5	27.1
127.5°	0.5	17.2	28.0	27.6	26.2
130°	0.5	15.8	26.6	27.1	25.7
132.5°	0.5	14.5	24.8	26.2	25.3
135°	0.5	13.1	23.5	25.7	24.8
137.5°	0.5	11.7	21.7	24.4	24.4
140°	0.5	10.4	19.9	23.5	23.9
142.5°	0.5	9.5	18.1	22.6	23.0
145°	0.5	8.1	16.3	20.8	22.1
147.5°	0.5	7.2	14.5	19.0	20.8
150°	0.5	6.3	12.6	17.2	19.0
152.5°	0.5	5.4	11.3	14.9	17.6
155°	0.9	5.0	9.9	13.1	15.8
157.5°	0.9	4.1	8.1	11.3	13.6
160°	0.9	3.6	7.2	9.5	12.2
162.5°	0.9	3.2	5.9	8.1	10.4
165°	0.9	2.7	5.0	6.3	8.6
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)