

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-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: 2SNLED-LD5-26SL-SLC-UNV-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

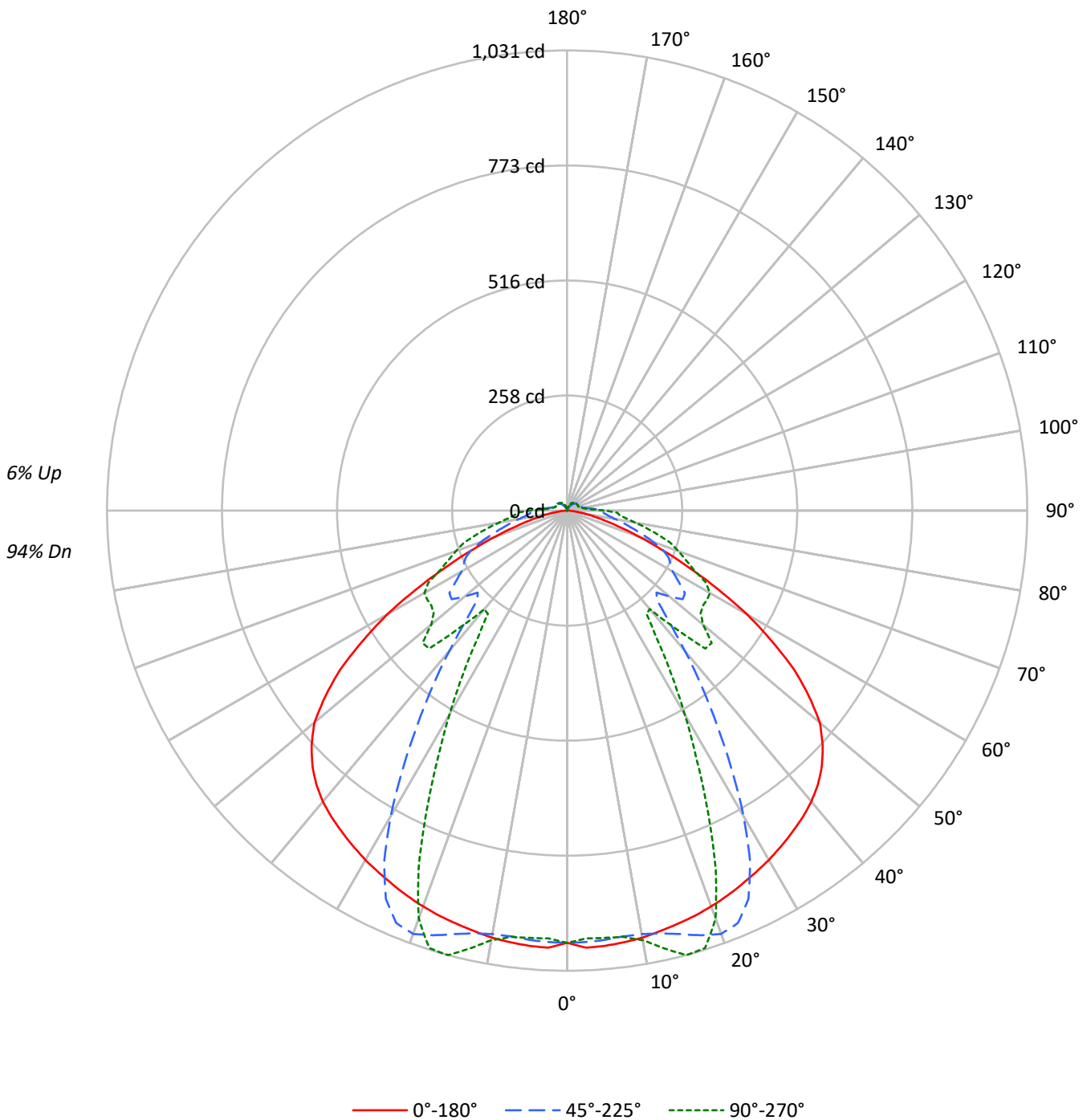
Lumens per Lamp: N/A
Luminaire Lumens: 2487.0 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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				
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°	15648	15648	15648
5°	15795	15253	15094
10°	15771	14994	15042
15°	15770	15177	15677
20°	15870	15601	14716
25°	16020	14967	11331
30°	16281	12512	8059
35°	16623	9458	5457
40°	17064	6861	4621
45°	17369	4967	7266
50°	17300	5486	6895
55°	16064	6297	6809
60°	13574	5744	7236
65°	10103	5771	6619
70°	6981	5232	6162
75°	4471	4357	5529
80°	2742	3705	4602
85°	1341	3485	4132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.1	3.7
10°-20°	278.2	11.2
20°-30°	404.1	16.2
30°-40°	386.1	15.5
40°-50°	353.1	14.2
50°-60°	326.1	13.1
60°-70°	259.0	10.4
70°-80°	159.9	6.4
80°-90°	87.0	3.5
90°-100°	44.0	1.8
100°-110°	27.7	1.1
110°-120°	23.4	0.9
120°-130°	19.1	0.8
130°-140°	13.7	0.6
140°-150°	8.5	0.3
150°-160°	4.0	0.2
160°-170°	1.0	0.0
170°-180°	0.0	0.0
0°-30°	774.3	31.1
0°-40°	1160.4	46.7
0°-60°	1839.6	74.0
0°-90°	2345.5	94.3
90°-120°	95.1	3.8
90°-150°	136.4	5.5
90°-180°	141.0	5.7
0°-180°	2487.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	968	968	968	968	968	
5°	979	964	966	960	961	93
15°	958	946	982	1019	1031	271
25°	924	942	960	813	747	427
35°	879	865	583	402	349	551
45°	807	563	285	363	437	621
55°	621	289	322	347	371	547
65°	300	187	251	305	312	303
75°	88	100	150	199	213	100
85°	12	42	85	116	118	16
90°	0	32	76	90	84	1
95°	0	30	53	47	44	0
105°	0	27	33	30	29	0
115°	0	22	31	28	27	0
125°	0	18	28	27	26	0
135°	0	12	22	24	24	0
145°	0	8	15	20	21	0
155°	1	5	9	12	15	0
165°	1	3	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°	968.2	968.2	968.2	968.2	968.2
2.5°	980.2	966.0	967.7	964.7	959.6
5°	978.9	963.9	965.6	960.5	960.9
7.5°	975.5	960.0	962.2	961.3	963.5
10°	971.6	955.3	963.5	970.7	977.2
12.5°	964.7	950.2	969.9	991.3	1004.6
15°	958.3	945.5	982.3	1018.7	1031.2
17.5°	951.9	943.7	997.7	1029.5	1027.7
20°	943.7	942.9	1009.3	998.6	972.5
22.5°	934.7	943.3	1000.3	921.9	870.4
25°	924.5	942.5	960.5	813.0	746.6
27.5°	914.2	938.6	888.0	693.9	628.3
30°	903.9	928.3	790.3	585.0	525.4
32.5°	891.9	906.0	684.0	488.6	433.7
35°	879.4	865.3	583.3	401.6	349.3
37.5°	866.6	806.6	492.9	325.3	291.9
40°	851.2	732.9	409.7	279.0	288.0
42.5°	831.9	649.7	336.4	292.7	355.3
45°	807.4	563.2	284.6	363.0	437.2
47.5°	776.6	480.0	271.7	415.7	438.9
50°	739.3	403.7	298.7	398.6	396.9
52.5°	682.7	340.3	326.2	363.4	377.2
55°	621.0	288.9	322.3	346.7	371.2
57.5°	543.0	254.1	295.7	343.3	371.6
60°	465.4	231.0	273.0	342.9	369.4
62.5°	379.7	210.0	261.4	334.7	350.6
65°	299.6	187.3	251.1	305.1	312.4
67.5°	229.7	164.1	233.1	272.1	286.7
70°	173.1	141.4	204.9	246.9	264.9
72.5°	124.7	120.0	175.7	224.6	243.4
75°	88.3	99.9	150.4	199.3	212.6
77.5°	60.9	81.4	129.0	171.4	182.1
80°	39.9	65.1	109.7	147.4	154.7
82.5°	24.0	52.3	95.1	129.0	132.9
85°	12.4	42.4	85.3	116.1	117.9
87.5°	3.9	35.6	79.7	110.1	112.3
90°	0.4	31.7	76.3	90.4	83.6
92.5°	0.0	30.0	66.0	61.7	55.3
95°	0.0	29.6	52.7	46.7	44.1
97.5°	0.0	28.7	43.3	39.0	37.7
100°	0.0	27.9	37.3	34.3	33.9
102.5°	0.0	27.4	33.9	31.3	30.9
105°	0.0	26.6	32.6	29.6	29.1
107.5°	0.0	25.3	31.7	28.7	27.9
110°	0.0	24.0	31.7	28.3	27.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.7	31.7	27.9	26.6
115°	0.0	21.9	31.3	27.9	26.6
117.5°	0.4	21.0	30.9	27.9	26.6
120°	0.0	20.1	30.0	27.9	26.1
122.5°	0.4	18.9	29.1	27.4	26.1
125°	0.4	17.6	27.9	27.0	25.7
127.5°	0.4	16.3	26.6	26.1	24.9
130°	0.4	15.0	25.3	25.7	24.4
132.5°	0.4	13.7	23.6	24.9	24.0
135°	0.4	12.4	22.3	24.4	23.6
137.5°	0.4	11.1	20.6	23.1	23.1
140°	0.4	9.9	18.9	22.3	22.7
142.5°	0.4	9.0	17.1	21.4	21.9
145°	0.4	7.7	15.4	19.7	21.0
147.5°	0.4	6.9	13.7	18.0	19.7
150°	0.4	6.0	12.0	16.3	18.0
152.5°	0.4	5.1	10.7	14.1	16.7
155°	0.9	4.7	9.4	12.4	15.0
157.5°	0.9	3.9	7.7	10.7	12.9
160°	0.9	3.4	6.9	9.0	11.6
162.5°	0.9	3.0	5.6	7.7	9.9
165°	0.9	2.6	4.7	6.0	8.1
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)