

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-L940-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-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

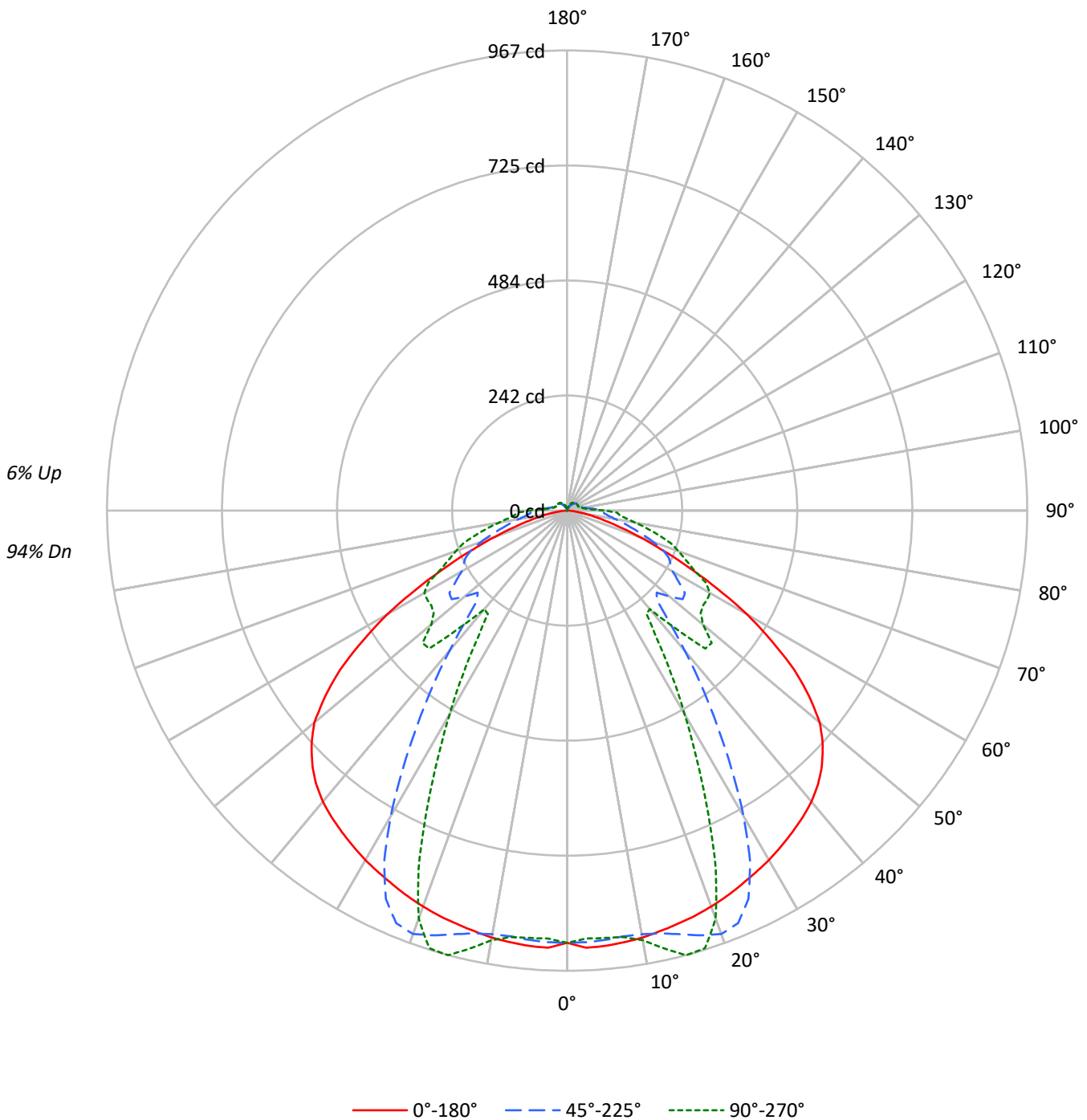
Lumens per Lamp: N/A
Luminaire Lumens: 2333.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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°	14678	14678	14678
5°	14817	14308	14159
10°	14794	14065	14110
15°	14794	14237	14706
20°	14888	14635	13803
25°	15027	14040	10630
30°	15273	11738	7560
35°	15595	8873	5120
40°	16007	6438	4335
45°	16293	4660	6815
50°	16228	5146	6468
55°	15071	5906	6387
60°	12734	5388	6789
65°	9476	5415	6210
70°	6549	4908	5781
75°	4193	4088	5186
80°	2570	3475	4316
85°	1266	3268	3877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	3.7
10°-20°	260.9	11.2
20°-30°	379.1	16.2
30°-40°	362.2	15.5
40°-50°	331.3	14.2
50°-60°	305.9	13.1
60°-70°	243.0	10.4
70°-80°	150.0	6.4
80°-90°	81.7	3.5
90°-100°	41.3	1.8
100°-110°	25.9	1.1
110°-120°	22.0	0.9
120°-130°	17.9	0.8
130°-140°	12.9	0.6
140°-150°	7.9	0.3
150°-160°	3.8	0.2
160°-170°	1.0	0.0
170°-180°	0.0	0.0
0°-30°	726.4	31.1
0°-40°	1088.6	46.7
0°-60°	1725.7	74.0
0°-90°	2200.3	94.3
90°-120°	89.2	3.8
90°-150°	127.9	5.5
90°-180°	133.0	5.7
0°-180°	2333.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	908	908	908	908	908	
5°	918	904	906	901	901	87
15°	899	887	922	956	967	254
25°	867	884	901	763	700	401
35°	825	812	547	377	328	517
45°	757	528	267	340	410	582
55°	583	271	302	325	348	513
65°	281	176	236	286	293	284
75°	83	94	141	187	199	94
85°	12	40	80	109	111	15
90°	0	30	72	85	78	1
95°	0	28	50	44	41	0
105°	0	25	31	28	27	0
115°	0	20	29	26	25	0
125°	0	16	26	25	24	0
135°	0	12	21	23	22	0
145°	0	7	14	18	20	0
155°	1	4	9	12	14	0
165°	1	2	4	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°	908.2	908.2	908.2	908.2	908.2
2.5°	919.5	906.2	907.8	905.0	900.2
5°	918.3	904.2	905.8	901.0	901.4
7.5°	915.0	900.6	902.6	901.8	903.8
10°	911.4	896.2	903.8	910.6	916.7
12.5°	905.0	891.3	909.8	929.9	942.4
15°	899.0	886.9	921.5	955.7	967.3
17.5°	892.9	885.3	936.0	965.7	964.1
20°	885.3	884.5	946.8	936.8	912.2
22.5°	876.9	884.9	938.4	864.8	816.5
25°	867.2	884.1	901.0	762.7	700.4
27.5°	857.6	880.5	833.0	650.9	589.4
30°	847.9	870.8	741.4	548.8	492.9
32.5°	836.7	849.9	641.7	458.3	406.9
35°	825.0	811.7	547.2	376.7	327.7
37.5°	812.9	756.6	462.3	305.2	273.8
40°	798.5	687.5	384.4	261.7	270.2
42.5°	780.4	609.5	315.6	274.6	333.3
45°	757.4	528.3	267.0	340.5	410.1
47.5°	728.5	450.3	254.9	390.0	411.7
50°	693.5	378.7	280.2	373.9	372.3
52.5°	640.5	319.2	306.0	340.9	353.8
55°	582.6	271.0	302.3	325.3	348.2
57.5°	509.4	238.4	277.4	322.0	348.6
60°	436.6	216.7	256.1	321.6	346.6
62.5°	356.2	197.0	245.2	314.0	328.9
65°	281.0	175.7	235.6	286.3	293.1
67.5°	215.5	154.0	218.7	255.3	269.0
70°	162.4	132.7	192.2	231.6	248.5
72.5°	117.0	112.6	164.8	210.7	228.4
75°	82.8	93.7	141.1	186.9	199.4
77.5°	57.1	76.4	121.0	160.8	170.9
80°	37.4	61.1	102.9	138.3	145.1
82.5°	22.5	49.0	89.3	121.0	124.6
85°	11.7	39.8	80.0	109.0	110.6
87.5°	3.6	33.4	74.8	103.3	105.3
90°	0.4	29.8	71.6	84.8	78.4
92.5°	0.0	28.1	61.9	57.9	51.9
95°	0.0	27.7	49.5	43.8	41.4
97.5°	0.0	26.9	40.6	36.6	35.4
100°	0.0	26.1	35.0	32.2	31.8
102.5°	0.0	25.7	31.8	29.3	28.9
105°	0.0	24.9	30.6	27.7	27.3
107.5°	0.0	23.7	29.8	26.9	26.1
110°	0.0	22.5	29.8	26.5	25.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.3	29.8	26.1	24.9
115°	0.0	20.5	29.3	26.1	24.9
117.5°	0.4	19.7	28.9	26.1	24.9
120°	0.0	18.9	28.1	26.1	24.5
122.5°	0.4	17.7	27.3	25.7	24.5
125°	0.4	16.5	26.1	25.3	24.1
127.5°	0.4	15.3	24.9	24.5	23.3
130°	0.4	14.1	23.7	24.1	22.9
132.5°	0.4	12.9	22.1	23.3	22.5
135°	0.4	11.7	20.9	22.9	22.1
137.5°	0.4	10.5	19.3	21.7	21.7
140°	0.4	9.2	17.7	20.9	21.3
142.5°	0.4	8.4	16.1	20.1	20.5
145°	0.4	7.2	14.5	18.5	19.7
147.5°	0.4	6.4	12.9	16.9	18.5
150°	0.4	5.6	11.3	15.3	16.9
152.5°	0.4	4.8	10.1	13.3	15.7
155°	0.8	4.4	8.8	11.7	14.1
157.5°	0.8	3.6	7.2	10.1	12.1
160°	0.8	3.2	6.4	8.4	10.9
162.5°	0.8	2.8	5.2	7.2	9.2
165°	0.8	2.4	4.4	5.6	7.6
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)