

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-SLN-UNV-L930-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: 2SNLED-LD5-26SL-SLN-UNV-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

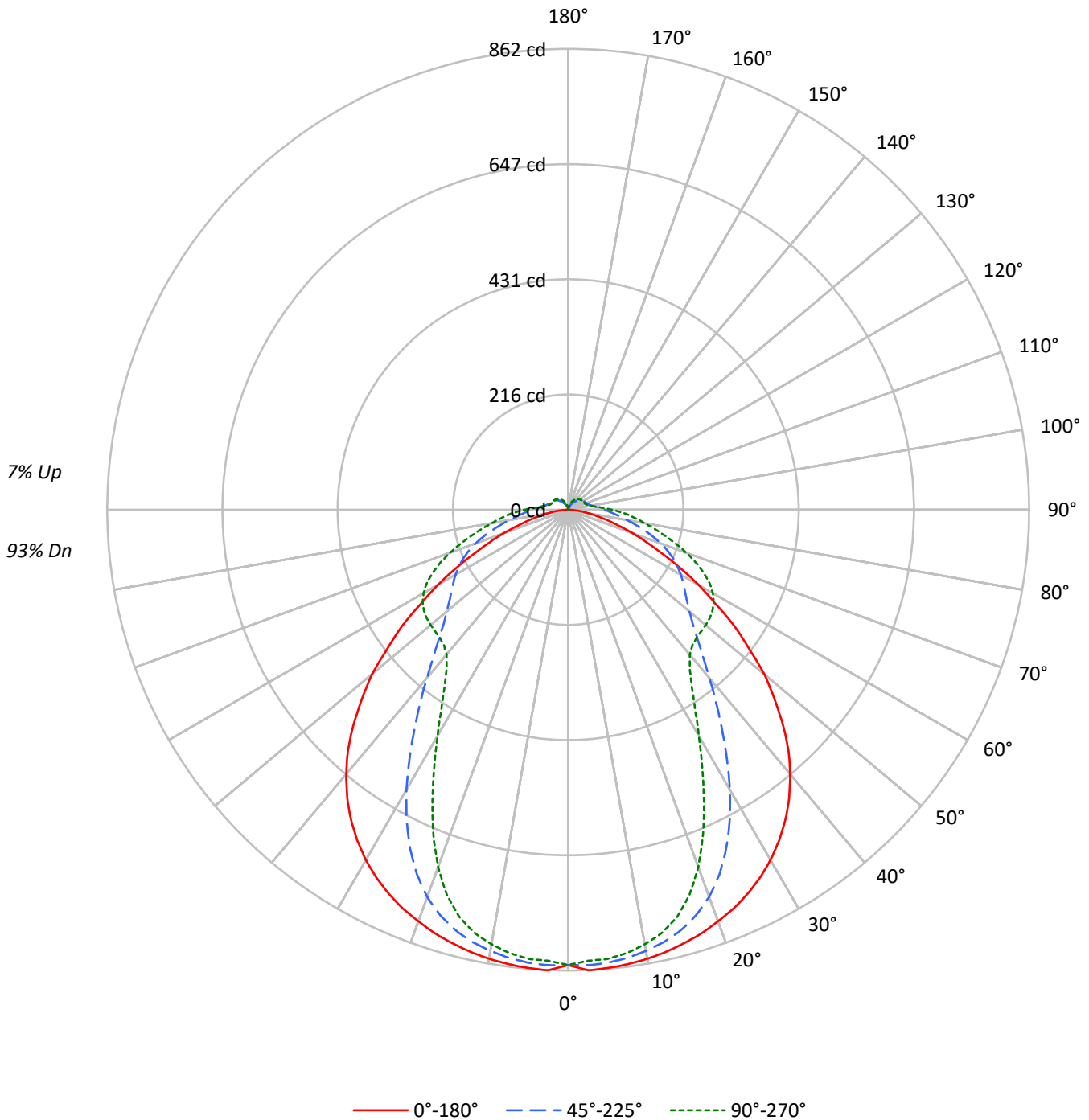
Lumens per Lamp: N/A
Luminaire Lumens: 2142.0 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
Input Voltage (V): NR
Input Current (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°	13765	13765	13765
5°	13886	13436	13251
10°	13845	13041	12707
15°	13810	12583	11982
20°	13776	11913	10760
25°	13739	10896	9112
30°	13628	9571	7494
35°	13385	8127	6281
40°	12942	6868	5678
45°	12199	5957	5635
50°	11209	5433	5832
55°	9804	5207	6037
60°	8205	5117	6119
65°	6529	4985	5928
70°	5166	4706	5469
75°	3803	4235	4853
80°	2694	3776	4316
85°	1644	3522	3971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	3.8
10°-20°	227.8	10.6
20°-30°	318.4	14.9
30°-40°	330.3	15.4
40°-50°	305.1	14.2
50°-60°	272.4	12.7
60°-70°	220.8	10.3
70°-80°	146.8	6.9
80°-90°	84.1	3.9
90°-100°	46.5	2.2
100°-110°	31.5	1.5
110°-120°	26.2	1.2
120°-130°	21.3	1.0
130°-140°	15.4	0.7
140°-150°	9.3	0.4
150°-160°	4.5	0.2
160°-170°	1.2	0.1
170°-180°	0.0	0.0
0°-30°	626.7	29.3
0°-40°	957.0	44.7
0°-60°	1534.5	71.6
0°-90°	1986.2	92.7
90°-120°	104.3	4.9
90°-150°	150.2	7.0
90°-180°	156.0	7.3
0°-180°	2142.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	852	852	852	852	852	
5°	861	846	851	845	844	82
15°	839	821	814	796	788	237
25°	793	758	699	626	600	365
35°	708	630	501	421	402	442
45°	567	449	341	329	339	436
55°	379	286	266	310	329	337
65°	194	173	217	266	280	196
75°	75	94	146	179	187	82
85°	15	44	86	110	113	17
90°	1	31	68	82	81	1
95°	1	26	54	58	56	1
105°	0	23	39	38	36	0
115°	0	20	34	34	33	0
125°	0	17	30	32	31	0
135°	1	13	24	28	28	1
145°	1	8	17	22	23	0
155°	1	5	10	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°	851.7	851.7	851.7	851.7	851.7
2.5°	862.5	848.4	852.9	849.2	844.3
5°	860.6	846.2	850.6	844.7	843.6
7.5°	857.3	842.9	845.5	838.4	836.6
10°	852.9	837.7	838.0	828.1	825.5
12.5°	846.9	830.3	828.1	814.4	810.7
15°	839.2	821.4	814.4	795.9	788.1
17.5°	830.6	809.9	795.5	767.0	754.8
20°	819.2	795.9	770.7	727.4	711.1
22.5°	807.7	778.8	738.5	680.7	658.9
25°	792.9	757.7	699.2	625.9	600.4
27.5°	776.2	732.9	654.1	569.7	542.3
30°	756.6	702.9	604.5	514.5	488.6
32.5°	733.7	669.3	552.3	464.9	440.9
35°	708.1	630.4	501.2	420.9	402.0
37.5°	678.9	587.8	453.8	385.3	373.1
40°	645.6	541.5	410.1	357.9	353.9
42.5°	609.7	496.4	372.8	340.2	343.9
45°	567.1	449.4	341.3	329.1	339.1
47.5°	522.3	403.5	315.7	322.8	337.2
50°	479.0	360.9	295.8	318.7	335.7
52.5°	425.3	322.8	279.8	315.0	333.5
55°	379.0	286.5	266.5	309.8	329.1
57.5°	325.7	253.9	254.7	303.2	322.4
60°	281.3	224.3	243.2	293.9	312.4
62.5°	236.2	197.7	230.6	281.7	298.4
65°	193.6	173.2	216.9	265.8	279.8
67.5°	158.1	151.0	201.4	246.5	258.4
70°	128.1	130.7	184.3	225.1	235.1
72.5°	98.5	111.8	165.8	202.1	210.6
75°	75.1	94.0	146.2	179.2	186.6
77.5°	55.5	78.5	128.4	158.4	164.7
80°	39.2	64.8	111.8	140.3	145.1
82.5°	26.3	53.3	98.1	124.0	128.4
85°	15.2	43.7	86.2	110.3	113.3
87.5°	6.3	36.3	76.6	96.2	97.7
90°	0.7	30.7	68.1	82.2	81.4
92.5°	0.7	27.8	60.7	68.9	67.0
95°	0.7	25.9	54.0	57.7	55.9
97.5°	0.7	24.8	48.1	49.6	47.8
100°	0.4	24.1	44.0	44.0	42.2
102.5°	0.4	23.3	41.1	40.0	38.5
105°	0.4	22.6	38.9	37.8	35.9
107.5°	0.4	22.2	37.4	36.3	34.4
110°	0.4	21.5	36.3	35.2	33.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	21.1	35.5	34.8	32.9
115°	0.4	20.4	34.4	34.1	32.9
117.5°	0.4	19.6	33.7	33.7	32.6
120°	0.4	18.9	32.6	33.3	32.2
122.5°	0.4	18.1	31.5	32.6	31.5
125°	0.4	17.4	30.4	31.8	31.1
127.5°	0.7	16.3	28.9	31.1	30.4
130°	0.4	15.2	27.4	30.4	30.0
132.5°	0.7	14.1	25.9	29.2	29.2
135°	0.7	13.0	24.1	28.1	28.1
137.5°	0.7	11.5	22.2	26.7	27.0
140°	0.7	10.4	20.4	25.2	25.9
142.5°	0.7	9.3	18.5	23.7	24.8
145°	0.7	8.1	16.7	21.8	23.3
147.5°	0.7	7.4	14.8	19.6	21.8
150°	0.7	6.3	13.3	17.8	20.0
152.5°	0.7	5.6	11.8	15.9	18.5
155°	0.7	5.2	10.4	13.7	16.7
157.5°	0.7	4.4	8.9	11.8	14.8
160°	0.7	3.7	7.4	10.4	12.6
162.5°	0.7	3.3	6.3	8.5	11.1
165°	0.7	3.0	5.2	6.7	8.9
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)