

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-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: 2SNLED-LD5-26SL-SLC-UNV-L830-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

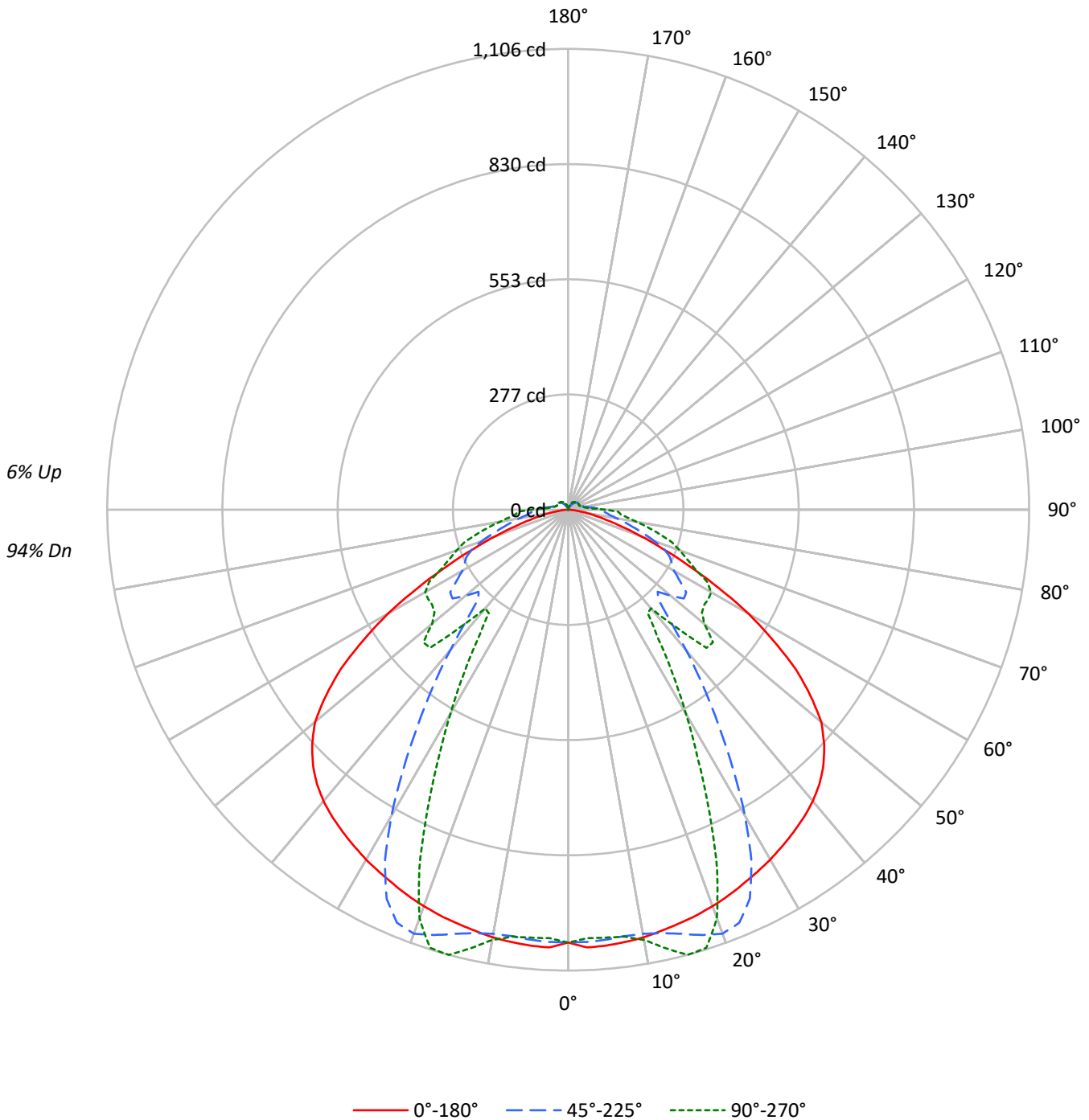
Lumens per Lamp: N/A
Luminaire Lumens: 2668.0 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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	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°	16786	16786	16786
5°	16944	16363	16192
10°	16919	16085	16136
15°	16919	16282	16818
20°	17025	16737	15786
25°	17184	16057	12155
30°	17467	13422	8646
35°	17835	10147	5854
40°	18305	7360	4958
45°	18634	5328	7794
50°	18559	5886	7395
55°	17234	6754	7304
60°	14563	6163	7763
65°	10838	6191	7102
70°	7489	5612	6609
75°	4795	4676	5930
80°	2941	3975	4938
85°	1439	3738	4430



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	3.7
10°-20°	298.4	11.2
20°-30°	433.5	16.2
30°-40°	414.2	15.5
40°-50°	378.8	14.2
50°-60°	349.8	13.1
60°-70°	277.9	10.4
70°-80°	171.5	6.4
80°-90°	93.4	3.5
90°-100°	47.2	1.8
100°-110°	29.6	1.1
110°-120°	25.1	0.9
120°-130°	20.5	0.8
130°-140°	14.7	0.6
140°-150°	9.1	0.3
150°-160°	4.3	0.2
160°-170°	1.1	0.0
170°-180°	0.0	0.0
0°-30°	830.7	31.1
0°-40°	1244.9	46.7
0°-60°	1973.5	74.0
0°-90°	2516.3	94.3
90°-120°	102.0	3.8
90°-150°	146.3	5.5
90°-180°	152.0	5.7
0°-180°	2668.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1039	1039	1039	1039	1039	
5°	1050	1034	1036	1030	1031	100
15°	1028	1014	1054	1093	1106	291
25°	992	1011	1030	872	801	458
35°	944	928	626	431	375	592
45°	866	604	305	389	469	666
55°	666	310	346	372	398	587
65°	321	201	269	327	335	325
75°	95	107	161	214	228	107
85°	13	46	92	125	126	17
90°	0	34	82	97	90	1
95°	0	32	57	50	47	0
105°	0	28	35	32	31	0
115°	0	23	34	30	28	0
125°	0	19	30	29	28	0
135°	0	13	24	26	25	0
145°	0	8	17	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°	1038.6	1038.6	1038.6	1038.6	1038.6
2.5°	1051.5	1036.3	1038.2	1034.9	1029.4
5°	1050.1	1034.0	1035.9	1030.4	1030.8
7.5°	1046.4	1029.9	1032.2	1031.3	1033.6
10°	1042.3	1024.8	1033.6	1041.4	1048.3
12.5°	1034.9	1019.3	1040.5	1063.5	1077.7
15°	1028.1	1014.3	1053.8	1092.9	1106.2
17.5°	1021.2	1012.4	1070.4	1104.4	1102.5
20°	1012.4	1011.5	1082.8	1071.3	1043.2
22.5°	1002.8	1012.0	1073.1	989.0	933.8
25°	991.7	1011.0	1030.4	872.2	800.9
27.5°	980.7	1006.9	952.6	744.4	674.0
30°	969.7	995.9	847.8	627.6	563.7
32.5°	956.8	972.0	733.8	524.1	465.3
35°	943.5	928.3	625.8	430.8	374.7
37.5°	929.7	865.3	528.7	349.0	313.1
40°	913.1	786.2	439.5	299.3	309.0
42.5°	892.4	697.0	360.9	314.0	381.2
45°	866.2	604.1	305.3	389.4	469.0
47.5°	833.1	514.9	291.5	446.0	470.8
50°	793.1	433.1	320.5	427.6	425.7
52.5°	732.4	365.1	349.9	389.9	404.6
55°	666.2	309.9	345.7	372.0	398.2
57.5°	582.5	272.6	317.2	368.3	398.6
60°	499.3	247.8	292.9	367.8	396.3
62.5°	407.4	225.3	280.5	359.1	376.1
65°	321.4	200.9	269.4	327.4	335.2
67.5°	246.4	176.1	250.1	292.0	307.6
70°	185.7	151.7	219.8	264.8	284.1
72.5°	133.8	128.7	188.5	240.9	261.2
75°	94.7	107.1	161.4	213.8	228.0
77.5°	65.3	87.4	138.4	183.9	195.4
80°	42.8	69.9	117.7	158.2	166.0
82.5°	25.7	56.1	102.1	138.4	142.5
85°	13.3	45.5	91.5	124.6	126.4
87.5°	4.1	38.2	85.5	118.2	120.5
90°	0.5	34.0	81.8	97.0	89.7
92.5°	0.0	32.2	70.8	66.2	59.3
95°	0.0	31.7	56.6	50.1	47.4
97.5°	0.0	30.8	46.4	41.8	40.5
100°	0.0	29.9	40.0	36.8	36.3
102.5°	0.0	29.4	36.3	33.6	33.1
105°	0.0	28.5	34.9	31.7	31.3
107.5°	0.0	27.1	34.0	30.8	29.9
110°	0.0	25.7	34.0	30.3	29.0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	24.4	34.0	29.9	28.5
115°	0.0	23.4	33.6	29.9	28.5
117.5°	0.5	22.5	33.1	29.9	28.5
120°	0.0	21.6	32.2	29.9	28.0
122.5°	0.5	20.2	31.3	29.4	28.0
125°	0.5	18.9	29.9	29.0	27.6
127.5°	0.5	17.5	28.5	28.0	26.7
130°	0.5	16.1	27.1	27.6	26.2
132.5°	0.5	14.7	25.3	26.7	25.7
135°	0.5	13.3	23.9	26.2	25.3
137.5°	0.5	12.0	22.1	24.8	24.8
140°	0.5	10.6	20.2	23.9	24.4
142.5°	0.5	9.7	18.4	23.0	23.4
145°	0.5	8.3	16.6	21.1	22.5
147.5°	0.5	7.4	14.7	19.3	21.1
150°	0.5	6.4	12.9	17.5	19.3
152.5°	0.5	5.5	11.5	15.2	17.9
155°	0.9	5.1	10.1	13.3	16.1
157.5°	0.9	4.1	8.3	11.5	13.8
160°	0.9	3.7	7.4	9.7	12.4
162.5°	0.9	3.2	6.0	8.3	10.6
165°	0.9	2.8	5.1	6.4	8.7
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)