

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-LD5-37SL-SLW-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 (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-37SL-SLW-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

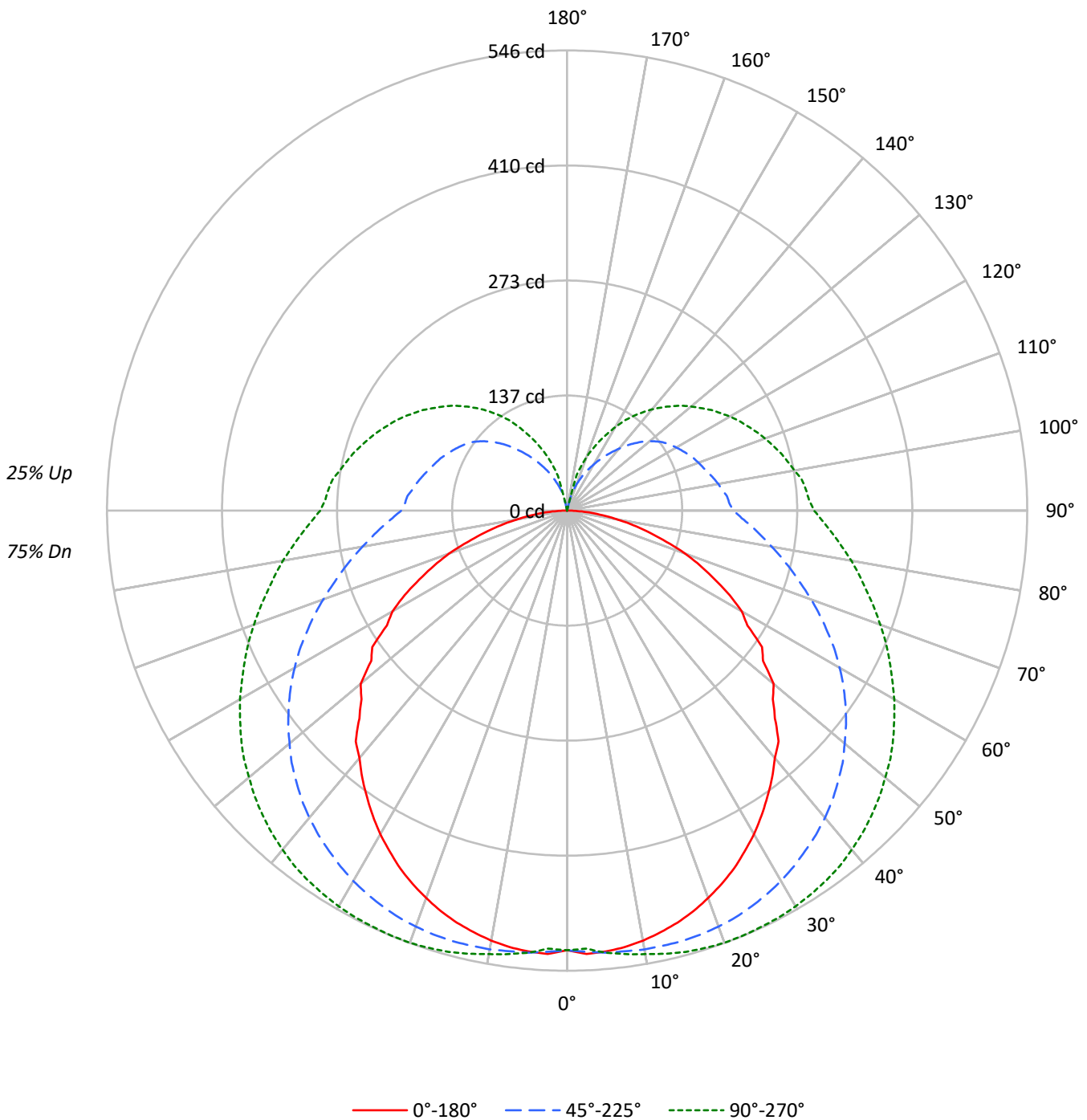
Lumens per Lamp: N/A
Luminaire Lumens: 3004.0 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 31
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	50	30	10	0	
RCR																						
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75				
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56				
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44				
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36				
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30				
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25				
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22				
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19				
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17				
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15				
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4216	4216	4216
5°	4249	4167	4136
10°	4228	4129	4113
15°	4199	4107	4121
20°	4160	4089	4129
25°	4119	4073	4135
30°	4063	4061	4157
35°	4001	4046	4186
40°	3940	4044	4213
45°	3864	4035	4247
50°	3876	4025	4280
55°	3809	4026	4331
60°	3669	4029	4390
65°	3466	4032	4472
70°	3240	4063	4598
75°	2841	4157	4783
80°	2400	4359	5093
85°	1783	4763	5542



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	1.7
10°-20°	148.6	4.9
20°-30°	236.2	7.9
30°-40°	303.1	10.1
40°-50°	342.3	11.4
50°-60°	349.3	11.6
60°-70°	323.6	10.8
70°-80°	274.0	9.1
80°-90°	218.7	7.3
90°-100°	185.7	6.2
100°-110°	165.4	5.5
110°-120°	140.9	4.7
120°-130°	111.9	3.7
130°-140°	79.4	2.6
140°-150°	47.4	1.6
150°-160°	22.1	0.7
160°-170°	5.2	0.2
170°-180°	0.0	0.0
0°-30°	434.9	14.5
0°-40°	738.1	24.6
0°-60°	1429.7	47.6
0°-90°	2245.9	74.8
90°-120°	492.0	16.4
90°-150°	730.7	24.3
90°-180°	758.0	25.2
0°-180°	3004.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	522	522	522	522	522	
5°	525	521	527	527	527	50
15°	506	510	529	539	542	143
25°	469	484	518	536	545	216
35°	414	445	493	523	536	259
45°	349	396	455	494	511	271
55°	282	330	403	452	472	248
65°	193	258	341	400	422	192
75°	102	180	276	344	368	108
85°	26	116	220	292	316	29
90°	1	95	197	268	293	2
95°	0	89	191	260	284	0
105°	0	82	174	239	263	0
115°	0	76	158	215	236	0
125°	0	66	140	190	208	0
135°	0	49	113	160	175	0
145°	0	32	79	120	137	0
155°	1	20	49	73	91	0
165°	1	11	22	30	43	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°	521.7	521.7	521.7	521.7	521.7
2.5°	526.6	520.9	523.8	523.1	520.2
5°	525.2	520.9	526.6	526.6	526.6
7.5°	522.4	519.5	527.3	530.1	530.8
10°	518.1	518.1	528.7	532.9	534.4
12.5°	512.5	514.6	528.7	535.1	538.6
15°	506.1	510.4	528.7	538.6	542.1
17.5°	498.4	505.4	527.3	539.3	544.2
20°	489.2	499.8	525.2	539.3	545.7
22.5°	479.3	492.7	522.4	537.9	545.7
25°	468.7	484.2	518.1	536.5	544.9
27.5°	456.0	475.8	513.2	534.4	544.2
30°	443.3	465.9	507.5	531.5	542.1
32.5°	429.2	455.3	500.5	527.3	539.3
35°	414.4	444.7	492.7	523.1	535.8
37.5°	399.5	432.0	484.9	517.4	531.5
40°	383.3	419.3	475.8	510.4	525.2
42.5°	371.3	405.9	465.9	503.3	518.8
45°	348.7	396.0	454.6	494.1	511.1
47.5°	331.1	376.9	443.3	484.9	502.6
50°	319.8	361.4	429.9	474.4	492.7
52.5°	292.9	350.8	417.2	463.8	483.5
55°	282.4	329.7	403.1	452.5	472.2
57.5°	253.4	314.8	388.9	439.8	460.2
60°	239.3	294.4	373.4	427.1	448.2
62.5°	217.4	276.7	357.9	412.9	434.8
65°	193.4	257.7	340.9	399.5	422.1
67.5°	170.8	238.6	324.7	385.4	409.4
70°	148.9	218.8	307.8	371.3	395.3
72.5°	123.5	199.1	291.5	357.9	381.9
75°	101.6	180.0	276.0	343.8	367.8
77.5°	80.5	161.6	261.2	331.1	355.1
80°	60.7	144.0	246.4	317.7	342.4
82.5°	42.4	129.2	232.9	304.9	328.9
85°	26.1	115.8	220.2	291.5	316.2
87.5°	12.0	103.8	207.5	278.8	304.2
90°	1.4	94.6	196.9	268.2	292.9
92.5°	0.7	91.8	192.7	263.3	287.3
95°	0.0	88.9	190.6	260.5	284.5
97.5°	0.0	86.1	185.6	256.2	280.9
100°	0.0	84.7	182.1	249.9	273.9
102.5°	0.0	82.6	177.9	244.2	268.2
105°	0.0	81.9	173.6	239.3	262.6
107.5°	0.0	80.5	169.4	232.9	256.2
110°	0.0	79.1	165.9	227.3	249.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	77.6	162.4	221.6	243.5
115°	0.0	76.2	158.1	215.3	236.5
117.5°	0.0	74.1	153.9	208.9	230.1
120°	0.0	71.3	149.6	203.3	223.1
122.5°	0.0	68.5	145.4	196.2	215.3
125°	0.0	65.6	140.5	189.9	208.2
127.5°	0.0	61.4	134.8	182.8	199.8
130°	0.0	57.2	127.8	175.8	192.0
132.5°	0.7	52.9	120.7	168.0	184.2
135°	0.0	48.7	112.9	160.2	175.1
137.5°	0.0	45.2	104.5	151.8	165.9
140°	0.0	40.9	96.0	141.9	156.7
142.5°	0.0	36.0	87.5	131.3	146.8
145°	0.0	31.8	79.1	120.0	136.9
147.5°	0.7	28.2	71.3	108.0	126.4
150°	0.7	25.4	63.5	96.0	114.4
152.5°	0.7	22.6	55.8	84.7	102.4
155°	0.7	19.8	48.7	73.4	91.1
157.5°	0.7	16.9	40.9	62.1	79.1
160°	0.7	14.8	33.9	52.2	67.8
162.5°	0.7	12.7	27.5	40.9	55.8
165°	0.7	10.6	21.9	30.4	43.1
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)