

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-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 (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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

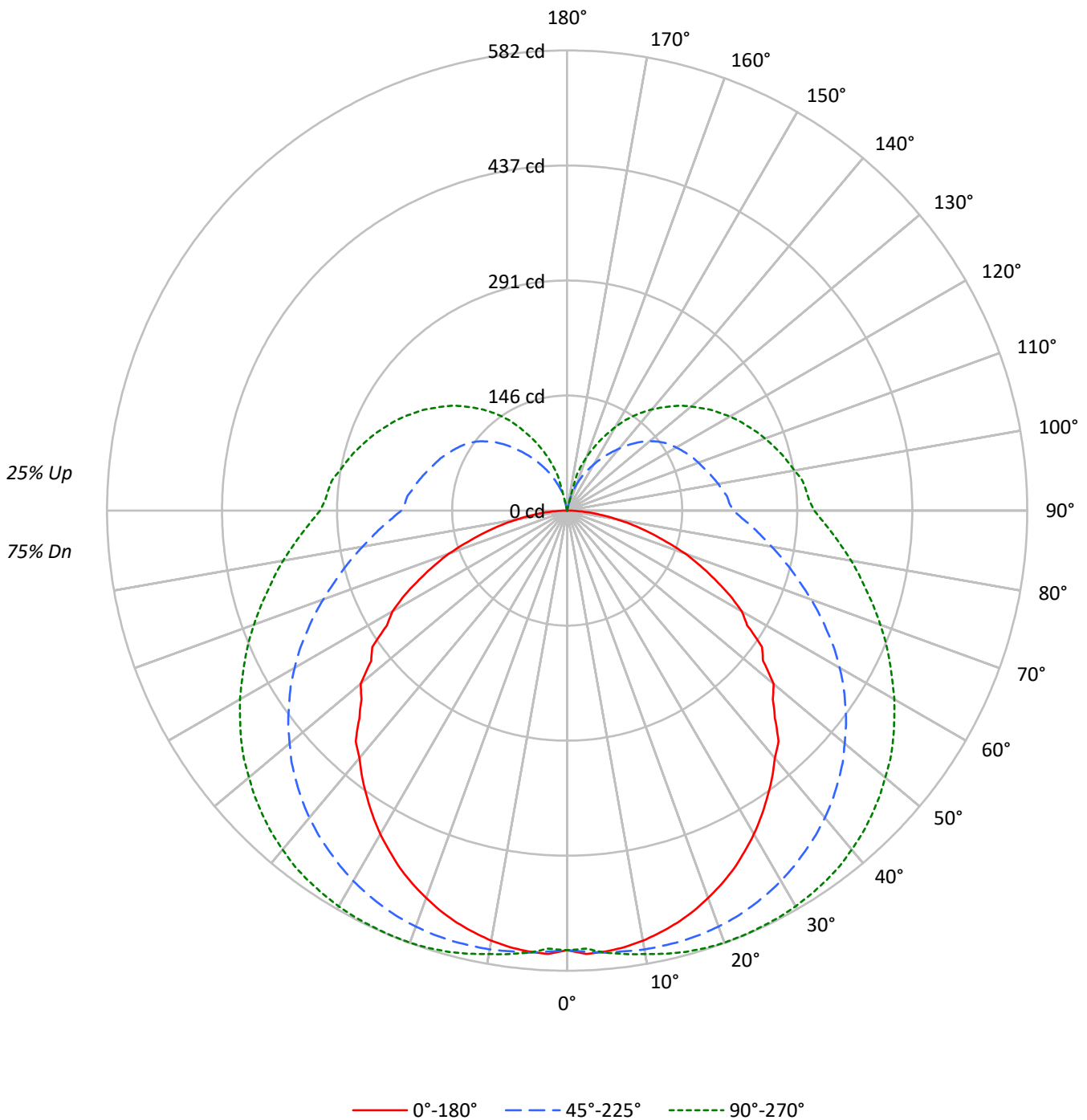
Lumens per Lamp: N/A
Luminaire Lumens: 3202.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

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



TEST NUMBER: P#
CATALOG NUMBER: 4SNLED-LD5-37SL-SLW-UNV-L950-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-SLW-UNV-L950-CD1-U

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°	4493	4493	4493
5°	4529	4441	4408
10°	4507	4402	4384
15°	4476	4378	4393
20°	4433	4358	4400
25°	4391	4342	4408
30°	4331	4329	4432
35°	4264	4313	4461
40°	4200	4310	4491
45°	4119	4301	4527
50°	4131	4290	4562
55°	4060	4291	4617
60°	3911	4294	4680
65°	3695	4298	4766
70°	3455	4331	4901
75°	3028	4431	5098
80°	2558	4645	5427
85°	1899	5079	5908



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-SLW-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	1.7
10°-20°	158.4	4.9
20°-30°	251.8	7.9
30°-40°	323.1	10.1
40°-50°	364.9	11.4
50°-60°	372.3	11.6
60°-70°	344.9	10.8
70°-80°	292.0	9.1
80°-90°	233.1	7.3
90°-100°	197.9	6.2
100°-110°	176.3	5.5
110°-120°	150.2	4.7
120°-130°	119.3	3.7
130°-140°	84.6	2.6
140°-150°	50.5	1.6
150°-160°	23.6	0.7
160°-170°	5.6	0.2
170°-180°	0.0	0.0
0°-30°	463.6	14.5
0°-40°	786.7	24.6
0°-60°	1523.9	47.6
0°-90°	2393.9	74.8
90°-120°	524.5	16.4
90°-150°	779.0	24.3
90°-180°	808.0	25.2
0°-180°	3202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	556	556	556	556	556	
5°	560	555	561	561	561	53
15°	540	544	564	574	578	152
25°	500	516	552	572	581	230
35°	442	474	525	558	571	277
45°	372	422	485	527	545	289
55°	301	351	430	482	503	264
65°	206	275	363	426	450	205
75°	108	192	294	366	392	115
85°	28	123	235	311	337	30
90°	2	101	210	286	312	2
95°	0	95	203	278	303	0
105°	0	87	185	255	280	0
115°	0	81	168	230	252	0
125°	0	70	150	202	222	0
135°	0	52	120	171	187	0
145°	0	34	84	128	146	0
155°	1	21	52	78	97	0
165°	1	11	23	32	46	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-SLW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	556.0	556.0	556.0	556.0	556.0
2.5°	561.3	555.3	558.3	557.5	554.5
5°	559.8	555.3	561.3	561.3	561.3
7.5°	556.8	553.8	562.1	565.1	565.8
10°	552.3	552.3	563.6	568.1	569.6
12.5°	546.3	548.5	563.6	570.3	574.1
15°	539.5	544.0	563.6	574.1	577.9
17.5°	531.2	538.7	562.1	574.8	580.1
20°	521.4	532.7	559.8	574.8	581.6
22.5°	510.9	525.2	556.8	573.3	581.6
25°	499.6	516.2	552.3	571.8	580.9
27.5°	486.1	507.1	547.0	569.6	580.1
30°	472.5	496.6	541.0	566.6	577.9
32.5°	457.5	485.3	533.5	562.1	574.8
35°	441.7	474.0	525.2	557.5	571.1
37.5°	425.9	460.5	516.9	551.5	566.6
40°	408.6	446.9	507.1	544.0	559.8
42.5°	395.8	432.6	496.6	536.5	553.0
45°	371.7	422.1	484.6	526.7	544.8
47.5°	352.9	401.8	472.5	516.9	535.7
50°	340.8	385.2	458.2	505.6	525.2
52.5°	312.3	374.0	444.7	494.3	515.4
55°	301.0	351.4	429.6	482.3	503.4
57.5°	270.1	335.6	414.6	468.8	490.6
60°	255.1	313.8	398.0	455.2	477.8
62.5°	231.7	294.9	381.5	440.2	463.5
65°	206.2	274.6	363.4	425.9	449.9
67.5°	182.1	254.3	346.1	410.8	436.4
70°	158.8	233.2	328.1	395.8	421.4
72.5°	131.7	212.2	310.7	381.5	407.1
75°	108.3	191.9	294.2	366.4	392.0
77.5°	85.8	172.3	278.4	352.9	378.5
80°	64.7	153.5	262.6	338.6	364.9
82.5°	45.1	137.7	248.3	325.0	350.6
85°	27.8	123.4	234.8	310.7	337.1
87.5°	12.8	110.6	221.2	297.2	324.3
90°	1.5	100.8	209.9	285.9	312.3
92.5°	0.8	97.8	205.4	280.7	306.2
95°	0.0	94.8	203.2	277.6	303.2
97.5°	0.0	91.8	197.9	273.1	299.5
100°	0.0	90.3	194.1	266.4	291.9
102.5°	0.0	88.0	189.6	260.3	285.9
105°	0.0	87.3	185.1	255.1	279.9
107.5°	0.0	85.8	180.6	248.3	273.1
110°	0.0	84.3	176.8	242.3	266.4



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-SLW-UNV-L950-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	82.8	173.1	236.3	259.6
115°	0.0	81.3	168.5	229.5	252.1
117.5°	0.0	79.0	164.0	222.7	245.3
120°	0.0	76.0	159.5	216.7	237.8
122.5°	0.0	73.0	155.0	209.2	229.5
125°	0.0	70.0	149.7	202.4	222.0
127.5°	0.0	65.5	143.7	194.9	212.9
130°	0.0	60.9	136.2	187.4	204.7
132.5°	0.8	56.4	128.7	179.1	196.4
135°	0.0	51.9	120.4	170.8	186.6
137.5°	0.0	48.2	111.4	161.8	176.8
140°	0.0	43.6	102.3	151.2	167.0
142.5°	0.0	38.4	93.3	139.9	156.5
145°	0.0	33.9	84.3	127.9	146.0
147.5°	0.8	30.1	76.0	115.1	134.7
150°	0.8	27.1	67.7	102.3	121.9
152.5°	0.8	24.1	59.4	90.3	109.1
155°	0.8	21.1	51.9	78.3	97.1
157.5°	0.8	18.1	43.6	66.2	84.3
160°	0.8	15.8	36.1	55.7	72.2
162.5°	0.8	13.5	29.3	43.6	59.4
165°	0.8	11.3	23.3	32.4	45.9
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)