

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-SLC-UNV-L935-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: 4SNLED-LD5-37SL-SLC-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

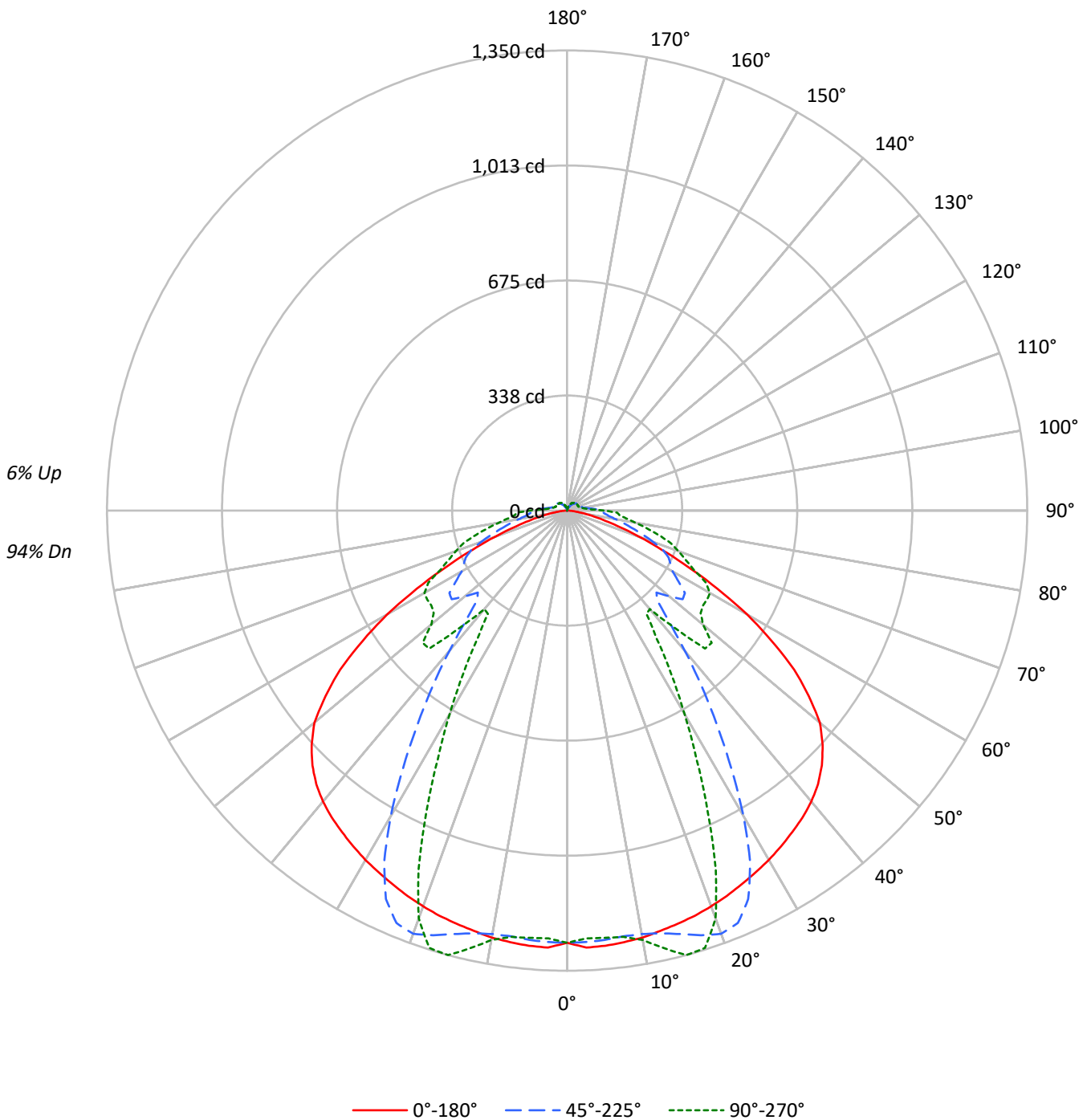
Lumens per Lamp: N/A
Luminaire Lumens: 3256.0 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 28
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-SLC-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-SLC-UNV-L935-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	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94					94			
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78					78			
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66					66			
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56					56			
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49					49			
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43					43			
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38					38			
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34					34			
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30					30			
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28					28			
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10243	10243	10243
5°	10368	10003	9880
10°	10380	9851	9846
15°	10409	9989	10262
20°	10505	10287	9632
25°	10637	9886	7417
30°	10847	8280	5276
35°	11115	6271	3572
40°	11454	4559	3025
45°	11715	3307	4755
50°	11731	3662	4513
55°	10965	4214	4457
60°	9343	3856	4737
65°	7028	3889	4333
70°	4933	3540	4034
75°	3232	2966	3619
80°	2064	2540	3013
85°	1114	2416	2704



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-SLC-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	3.7
10°-20°	364.2	11.2
20°-30°	529.0	16.2
30°-40°	505.5	15.5
40°-50°	462.3	14.2
50°-60°	426.9	13.1
60°-70°	339.1	10.4
70°-80°	209.3	6.4
80°-90°	114.0	3.5
90°-100°	57.6	1.8
100°-110°	36.2	1.1
110°-120°	30.7	0.9
120°-130°	25.0	0.8
130°-140°	18.0	0.6
140°-150°	11.1	0.3
150°-160°	5.3	0.2
160°-170°	1.4	0.0
170°-180°	0.0	0.0
0°-30°	1013.8	31.1
0°-40°	1519.2	46.7
0°-60°	2408.5	74.0
0°-90°	3070.8	94.3
90°-120°	124.5	3.8
90°-150°	178.6	5.5
90°-180°	185.0	5.7
0°-180°	3256.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1268	1268	1268	1268	1268	
5°	1282	1262	1264	1257	1258	122
15°	1255	1238	1286	1334	1350	355
25°	1210	1234	1257	1064	977	559
35°	1151	1133	764	526	457	722
45°	1057	737	373	475	572	812
55°	813	378	422	454	486	716
65°	392	245	329	400	409	397
75°	116	131	197	261	278	131
85°	16	56	112	152	154	21
90°	1	42	100	118	109	1
95°	0	39	69	61	58	0
105°	0	35	43	39	38	0
115°	0	29	41	36	35	0
125°	1	23	36	35	34	0
135°	1	16	29	32	31	0
145°	1	10	20	26	28	0
155°	1	6	12	16	20	0
165°	1	3	6	8	11	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-SLC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1267.5	1267.5	1267.5	1267.5	1267.5
2.5°	1283.2	1264.7	1267.0	1263.0	1256.3
5°	1281.6	1261.9	1264.2	1257.4	1258.0
7.5°	1277.1	1256.9	1259.7	1258.6	1261.4
10°	1272.0	1250.7	1261.4	1270.9	1279.3
12.5°	1263.0	1244.0	1269.8	1297.8	1315.2
15°	1254.6	1237.8	1286.0	1333.7	1350.0
17.5°	1246.2	1235.5	1306.2	1347.8	1345.5
20°	1235.5	1234.4	1321.4	1307.4	1273.1
22.5°	1223.8	1235.0	1309.6	1206.9	1139.6
25°	1210.3	1233.9	1257.4	1064.4	977.4
27.5°	1196.8	1228.8	1162.6	908.4	822.6
30°	1183.4	1215.3	1034.7	765.9	687.9
32.5°	1167.7	1186.2	895.5	639.7	567.8
35°	1151.4	1132.9	763.7	525.8	457.3
37.5°	1134.5	1056.0	645.3	425.9	382.1
40°	1114.3	959.5	536.4	365.3	377.1
42.5°	1089.1	850.6	440.5	383.2	465.2
45°	1057.1	737.3	372.6	475.3	572.3
47.5°	1016.7	628.4	355.7	544.3	574.6
50°	967.9	528.6	391.1	521.8	519.6
52.5°	893.8	445.5	427.0	475.8	493.8
55°	813.0	378.2	421.9	453.9	485.9
57.5°	710.9	332.7	387.2	449.4	486.5
60°	609.4	302.4	357.4	448.9	483.7
62.5°	497.1	274.9	342.3	438.2	459.0
65°	392.2	245.2	328.8	399.5	409.0
67.5°	300.8	214.9	305.2	356.3	375.4
70°	226.7	185.2	268.2	323.2	346.8
72.5°	163.3	157.1	230.1	294.0	318.7
75°	115.6	130.7	196.9	260.9	278.3
77.5°	79.7	106.6	168.9	224.4	238.5
80°	52.2	85.3	143.6	193.0	202.6
82.5°	31.4	68.5	124.6	168.9	173.9
85°	16.3	55.5	111.7	152.1	154.3
87.5°	5.0	46.6	104.4	144.2	147.0
90°	0.6	41.5	99.9	118.4	109.4
92.5°	0.0	39.3	86.4	80.8	72.4
95°	0.0	38.7	69.0	61.2	57.8
97.5°	0.0	37.6	56.7	51.1	49.4
100°	0.0	36.5	48.8	44.9	44.3
102.5°	0.0	35.9	44.3	41.0	40.4
105°	0.0	34.8	42.6	38.7	38.2
107.5°	0.0	33.1	41.5	37.6	36.5
110°	0.0	31.4	41.5	37.0	35.3



TEST NUMBER: P#

CATALOG NUMBER: 4SNLED-LD5-37SL-SLC-UNV-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	29.7	41.5	36.5	34.8
115°	0.0	28.6	41.0	36.5	34.8
117.5°	0.6	27.5	40.4	36.5	34.8
120°	0.0	26.4	39.3	36.5	34.2
122.5°	0.6	24.7	38.2	35.9	34.2
125°	0.6	23.0	36.5	35.3	33.7
127.5°	0.6	21.3	34.8	34.2	32.5
130°	0.6	19.6	33.1	33.7	32.0
132.5°	0.6	18.0	30.9	32.5	31.4
135°	0.6	16.3	29.2	32.0	30.9
137.5°	0.6	14.6	26.9	30.3	30.3
140°	0.6	12.9	24.7	29.2	29.7
142.5°	0.6	11.8	22.4	28.1	28.6
145°	0.6	10.1	20.2	25.8	27.5
147.5°	0.6	9.0	18.0	23.6	25.8
150°	0.6	7.9	15.7	21.3	23.6
152.5°	0.6	6.7	14.0	18.5	21.9
155°	1.1	6.2	12.3	16.3	19.6
157.5°	1.1	5.0	10.1	14.0	16.8
160°	1.1	4.5	9.0	11.8	15.1
162.5°	1.1	3.9	7.3	10.1	12.9
165°	1.1	3.4	6.2	7.9	10.7
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)