

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-LD5-34HL-SLC-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-34HL-SLC-UNV-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

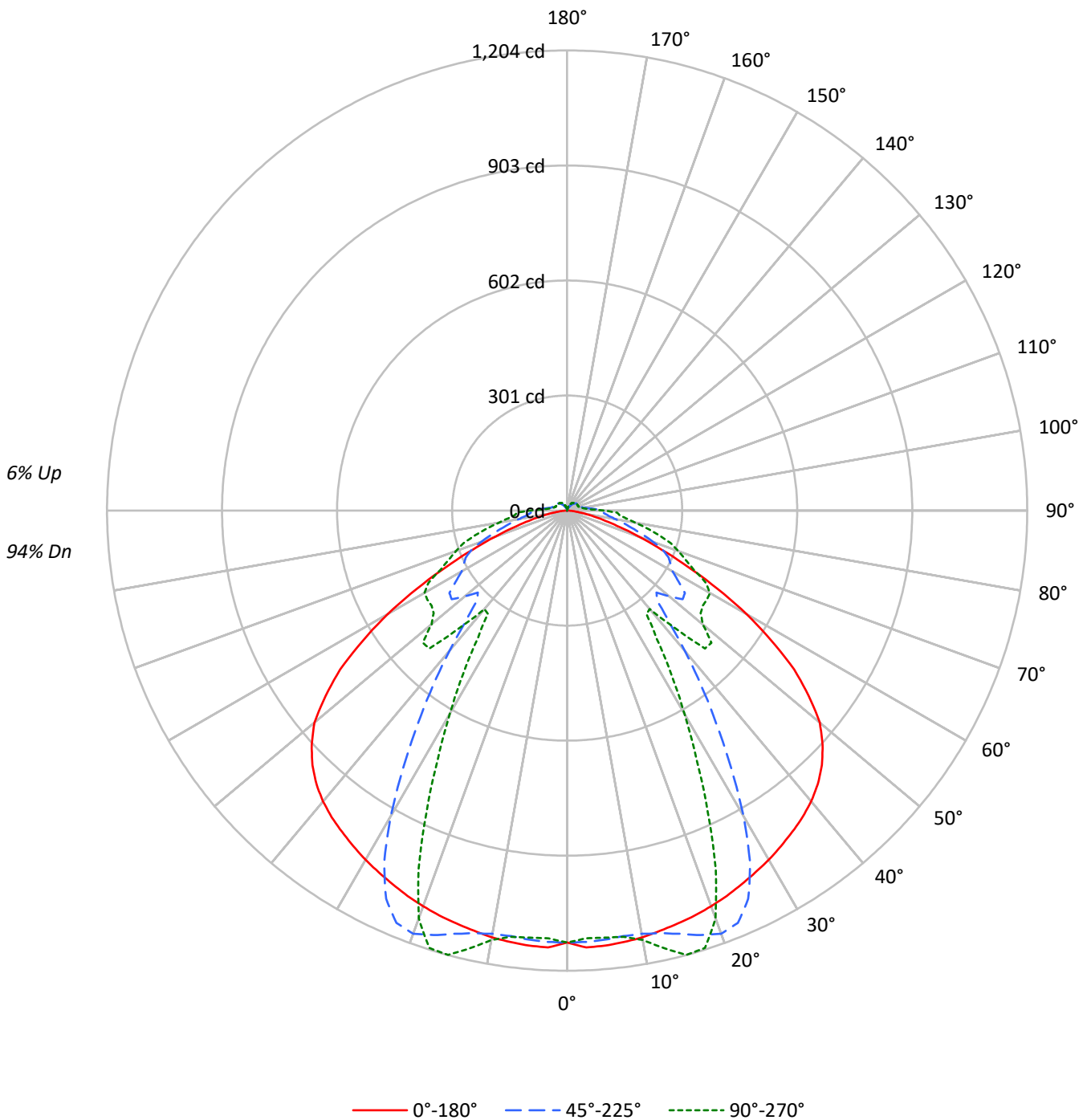
Lumens per Lamp: N/A
Luminaire Lumens: 2902.9 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 27
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: 2SNLED-LD5-34HL-SLC-UNV-L930-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-34HL-SLC-UNV-L930-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	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	64	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°	18265	18265	18265
5°	18436	17804	17618
10°	18409	17501	17557
15°	18408	17715	18298
20°	18525	18210	17176
25°	18698	17470	13226
30°	19005	14605	9407
35°	19406	11041	6370
40°	19916	8010	5394
45°	20275	5798	8480
50°	20195	6404	8049
55°	18752	7350	7947
60°	15846	6706	8446
65°	11793	6738	7727
70°	8151	6105	7193
75°	5220	5087	6453
80°	3195	4326	5372
85°	1568	4069	4823



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-34HL-SLC-UNV-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.5	3.7
10°-20°	324.7	11.2
20°-30°	471.7	16.2
30°-40°	450.7	15.5
40°-50°	412.2	14.2
50°-60°	380.6	13.1
60°-70°	302.3	10.4
70°-80°	186.6	6.4
80°-90°	101.6	3.5
90°-100°	51.3	1.8
100°-110°	32.3	1.1
110°-120°	27.3	0.9
120°-130°	22.3	0.8
130°-140°	16.0	0.6
140°-150°	9.9	0.3
150°-160°	4.7	0.2
160°-170°	1.2	0.0
170°-180°	0.0	0.0
0°-30°	903.9	31.1
0°-40°	1354.5	46.7
0°-60°	2147.4	74.0
0°-90°	2737.9	94.3
90°-120°	110.9	3.8
90°-150°	159.1	5.5
90°-180°	165.0	5.7
0°-180°	2902.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1130	1130	1130	1130	1130	
5°	1143	1125	1127	1121	1122	109
15°	1119	1104	1147	1189	1204	317
25°	1079	1100	1121	949	872	499
35°	1027	1010	681	469	408	644
45°	942	657	332	424	510	724
55°	725	337	376	405	433	638
65°	350	219	293	356	365	354
75°	103	117	176	233	248	117
85°	14	50	100	136	138	18
90°	0	37	89	106	98	1
95°	0	34	62	54	52	0
105°	0	31	38	34	34	0
115°	0	26	36	32	31	0
125°	0	20	32	32	30	0
135°	0	14	26	28	28	0
145°	0	9	18	23	24	0
155°	1	6	11	14	18	0
165°	1	3	6	7	10	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-34HL-SLC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1130.1	1130.1	1130.1	1130.1	1130.1
2.5°	1144.1	1127.6	1129.6	1126.1	1120.1
5°	1142.6	1125.1	1127.1	1121.1	1121.6
7.5°	1138.6	1120.6	1123.1	1122.1	1124.6
10°	1134.1	1115.1	1124.6	1133.1	1140.6
12.5°	1126.1	1109.1	1132.1	1157.1	1172.6
15°	1118.6	1103.6	1146.6	1189.1	1203.6
17.5°	1111.1	1101.6	1164.6	1201.6	1199.6
20°	1101.6	1100.6	1178.1	1165.6	1135.1
22.5°	1091.1	1101.1	1167.6	1076.1	1016.0
25°	1079.1	1100.1	1121.1	949.0	871.5
27.5°	1067.1	1095.6	1036.6	809.9	733.4
30°	1055.1	1083.6	922.5	682.9	613.3
32.5°	1041.1	1057.6	798.4	570.3	506.3
35°	1026.6	1010.0	680.9	468.8	407.7
37.5°	1011.5	941.5	575.3	379.7	340.7
40°	993.5	855.5	478.3	325.7	336.2
42.5°	971.0	758.4	392.7	341.7	414.7
45°	942.5	657.4	332.2	423.7	510.3
47.5°	906.5	560.3	317.2	485.3	512.3
50°	863.0	471.3	348.7	465.3	463.3
52.5°	796.9	397.2	380.7	424.2	440.2
55°	724.9	337.2	376.2	404.7	433.2
57.5°	633.8	296.7	345.2	400.7	433.7
60°	543.3	269.6	318.7	400.2	431.2
62.5°	443.2	245.1	305.2	390.7	409.2
65°	349.7	218.6	293.2	356.2	364.7
67.5°	268.1	191.6	272.1	317.7	334.7
70°	202.1	165.1	239.1	288.2	309.2
72.5°	145.6	140.1	205.1	262.1	284.2
75°	103.1	116.6	175.6	232.6	248.1
77.5°	71.0	95.1	150.6	200.1	212.6
80°	46.5	76.0	128.1	172.1	180.6
82.5°	28.0	61.0	111.1	150.6	155.1
85°	14.5	49.5	99.6	135.6	137.6
87.5°	4.5	41.5	93.1	128.6	131.1
90°	0.5	37.0	89.0	105.6	97.6
92.5°	0.0	35.0	77.0	72.0	64.5
95°	0.0	34.5	61.5	54.5	51.5
97.5°	0.0	33.5	50.5	45.5	44.0
100°	0.0	32.5	43.5	40.0	39.5
102.5°	0.0	32.0	39.5	36.5	36.0
105°	0.0	31.0	38.0	34.5	34.0
107.5°	0.0	29.5	37.0	33.5	32.5
110°	0.0	28.0	37.0	33.0	31.5



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-34HL-SLC-UNV-L930-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.5	37.0	32.5	31.0
115°	0.0	25.5	36.5	32.5	31.0
117.5°	0.5	24.5	36.0	32.5	31.0
120°	0.0	23.5	35.0	32.5	30.5
122.5°	0.5	22.0	34.0	32.0	30.5
125°	0.5	20.5	32.5	31.5	30.0
127.5°	0.5	19.0	31.0	30.5	29.0
130°	0.5	17.5	29.5	30.0	28.5
132.5°	0.5	16.0	27.5	29.0	28.0
135°	0.5	14.5	26.0	28.5	27.5
137.5°	0.5	13.0	24.0	27.0	27.0
140°	0.5	11.5	22.0	26.0	26.5
142.5°	0.5	10.5	20.0	25.0	25.5
145°	0.5	9.0	18.0	23.0	24.5
147.5°	0.5	8.0	16.0	21.0	23.0
150°	0.5	7.0	14.0	19.0	21.0
152.5°	0.5	6.0	12.5	16.5	19.5
155°	1.0	5.5	11.0	14.5	17.5
157.5°	1.0	4.5	9.0	12.5	15.0
160°	1.0	4.0	8.0	10.5	13.5
162.5°	1.0	3.5	6.5	9.0	11.5
165°	1.0	3.0	5.5	7.0	9.5
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)