

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-LD5-34SL-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-LD5-34SL-SLC-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

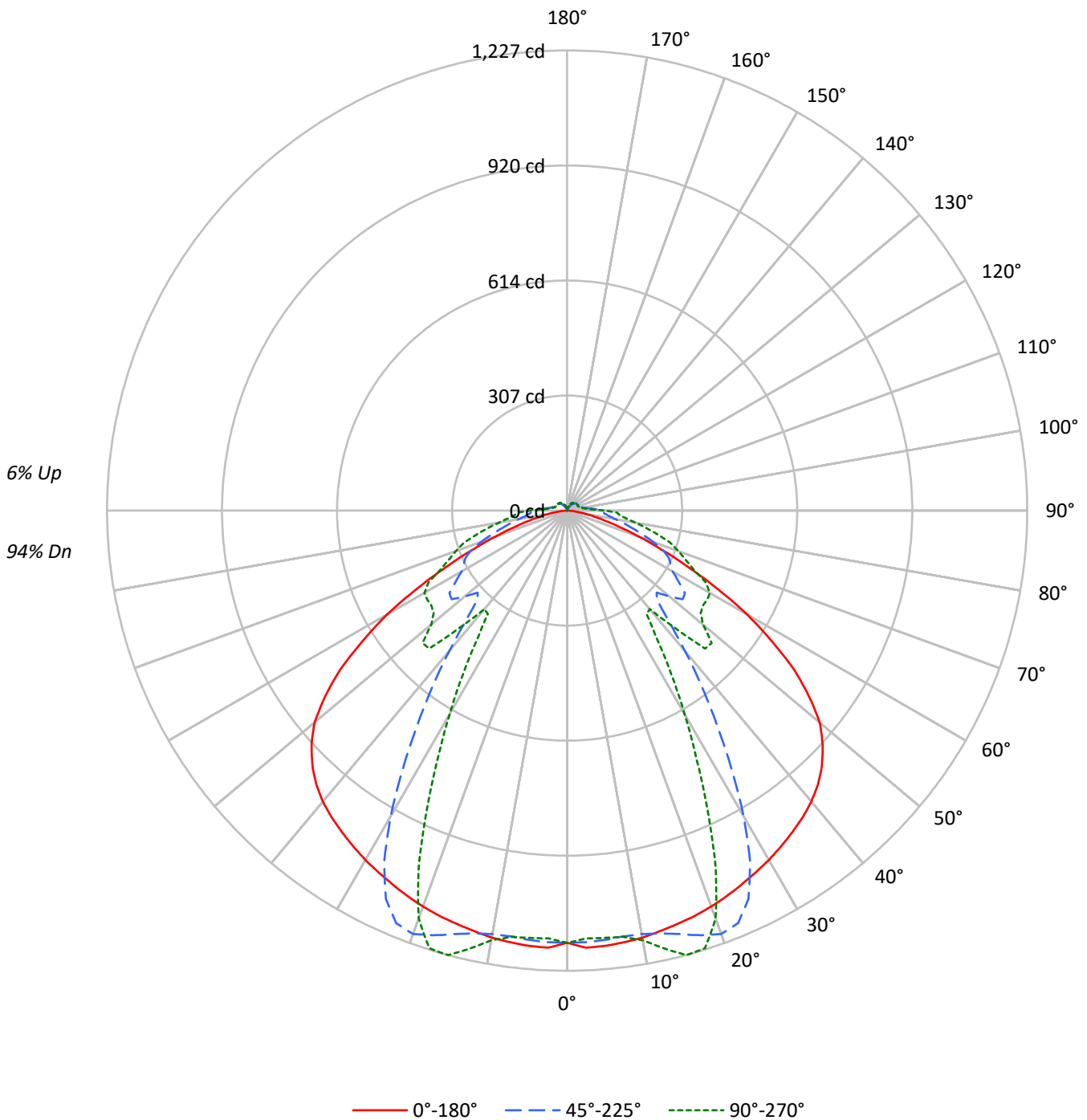
Lumens per Lamp: N/A
Luminaire Lumens: 2960.0 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 25
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	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	64	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°	9312	9312	9312
5°	9425	9093	8982
10°	9437	8955	8951
15°	9463	9081	9329
20°	9550	9352	8757
25°	9670	8987	6743
30°	9861	7527	4796
35°	10105	5701	3247
40°	10413	4144	2750
45°	10650	3006	4323
50°	10665	3329	4102
55°	9968	3831	4051
60°	8494	3505	4306
65°	6390	3535	3940
70°	4485	3218	3666
75°	2939	2696	3290
80°	1874	2310	2738
85°	1011	2196	2459



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	3.7
10°-20°	331.1	11.2
20°-30°	480.9	16.2
30°-40°	459.5	15.5
40°-50°	420.3	14.2
50°-60°	388.1	13.1
60°-70°	308.3	10.4
70°-80°	190.3	6.4
80°-90°	103.6	3.5
90°-100°	52.4	1.8
100°-110°	32.9	1.1
110°-120°	27.9	0.9
120°-130°	22.8	0.8
130°-140°	16.3	0.6
140°-150°	10.1	0.3
150°-160°	4.8	0.2
160°-170°	1.2	0.0
170°-180°	0.0	0.0
0°-30°	921.6	31.1
0°-40°	1381.1	46.7
0°-60°	2189.5	74.0
0°-90°	2791.6	94.3
90°-120°	113.1	3.8
90°-150°	162.3	5.5
90°-180°	168.0	5.7
0°-180°	2960.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1152	1152	1152	1152	1152	
5°	1165	1147	1149	1143	1144	111
15°	1141	1125	1169	1212	1227	323
25°	1100	1122	1143	968	889	509
35°	1047	1030	694	478	416	656
45°	961	670	339	432	520	739
55°	739	344	384	413	442	651
65°	357	223	299	363	372	361
75°	105	119	179	237	253	119
85°	15	50	102	138	140	19
90°	0	38	91	108	100	1
95°	0	35	63	56	52	0
105°	0	32	39	35	35	0
115°	0	26	37	33	32	0
125°	0	21	33	32	31	0
135°	0	15	26	29	28	0
145°	0	9	18	24	25	0
155°	1	6	11	15	18	0
165°	1	3	6	7	10	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°	1152.3	1152.3	1152.3	1152.3	1152.3
2.5°	1166.6	1149.7	1151.8	1148.2	1142.1
5°	1165.1	1147.2	1149.2	1143.1	1143.6
7.5°	1161.0	1142.6	1145.2	1144.1	1146.7
10°	1156.4	1137.0	1146.7	1155.4	1163.0
12.5°	1148.2	1130.9	1154.3	1179.8	1195.7
15°	1140.6	1125.3	1169.1	1212.5	1227.3
17.5°	1132.9	1123.2	1187.5	1225.2	1223.2
20°	1123.2	1122.2	1201.3	1188.5	1157.4
22.5°	1112.5	1122.7	1190.6	1097.2	1036.0
25°	1100.3	1121.7	1143.1	967.6	888.6
27.5°	1088.0	1117.1	1056.9	825.8	747.8
30°	1075.8	1104.9	940.6	696.3	625.4
32.5°	1061.5	1078.3	814.1	581.5	516.2
35°	1046.7	1029.9	694.2	478.0	415.7
37.5°	1031.4	960.0	586.6	387.2	347.4
40°	1013.0	872.3	487.6	332.1	342.8
42.5°	990.1	773.3	400.4	348.4	422.9
45°	961.0	670.3	338.7	432.0	520.3
47.5°	924.3	571.3	323.4	494.8	522.3
50°	879.9	480.5	355.5	474.4	472.3
52.5°	812.6	405.0	388.2	432.6	448.9
55°	739.1	343.8	383.6	412.7	441.7
57.5°	646.3	302.5	352.0	408.6	442.3
60°	554.0	274.9	324.9	408.1	439.7
62.5°	451.9	249.9	311.2	398.4	417.3
65°	356.6	222.9	298.9	363.2	371.9
67.5°	273.4	195.4	277.5	323.9	341.3
70°	206.1	168.3	243.8	293.8	315.2
72.5°	148.4	142.8	209.1	267.3	289.7
75°	105.1	118.9	179.0	237.2	253.0
77.5°	72.4	96.9	153.5	204.0	216.8
80°	47.4	77.5	130.6	175.5	184.1
82.5°	28.6	62.2	113.2	153.5	158.1
85°	14.8	50.5	101.5	138.2	140.3
87.5°	4.6	42.3	94.9	131.1	133.6
90°	0.5	37.7	90.8	107.6	99.5
92.5°	0.0	35.7	78.6	73.5	65.8
95°	0.0	35.2	62.7	55.6	52.5
97.5°	0.0	34.2	51.5	46.4	44.9
100°	0.0	33.2	44.4	40.8	40.3
102.5°	0.0	32.6	40.3	37.2	36.7
105°	0.0	31.6	38.8	35.2	34.7
107.5°	0.0	30.1	37.7	34.2	33.2
110°	0.0	28.6	37.7	33.7	32.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.0	37.7	33.2	31.6
115°	0.0	26.0	37.2	33.2	31.6
117.5°	0.5	25.0	36.7	33.2	31.6
120°	0.0	24.0	35.7	33.2	31.1
122.5°	0.5	22.4	34.7	32.6	31.1
125°	0.5	20.9	33.2	32.1	30.6
127.5°	0.5	19.4	31.6	31.1	29.6
130°	0.5	17.9	30.1	30.6	29.1
132.5°	0.5	16.3	28.1	29.6	28.6
135°	0.5	14.8	26.5	29.1	28.1
137.5°	0.5	13.3	24.5	27.5	27.5
140°	0.5	11.7	22.4	26.5	27.0
142.5°	0.5	10.7	20.4	25.5	26.0
145°	0.5	9.2	18.4	23.5	25.0
147.5°	0.5	8.2	16.3	21.4	23.5
150°	0.5	7.1	14.3	19.4	21.4
152.5°	0.5	6.1	12.8	16.8	19.9
155°	1.0	5.6	11.2	14.8	17.9
157.5°	1.0	4.6	9.2	12.8	15.3
160°	1.0	4.1	8.2	10.7	13.8
162.5°	1.0	3.6	6.6	9.2	11.7
165°	1.0	3.1	5.6	7.1	9.7
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)