

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-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 (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-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

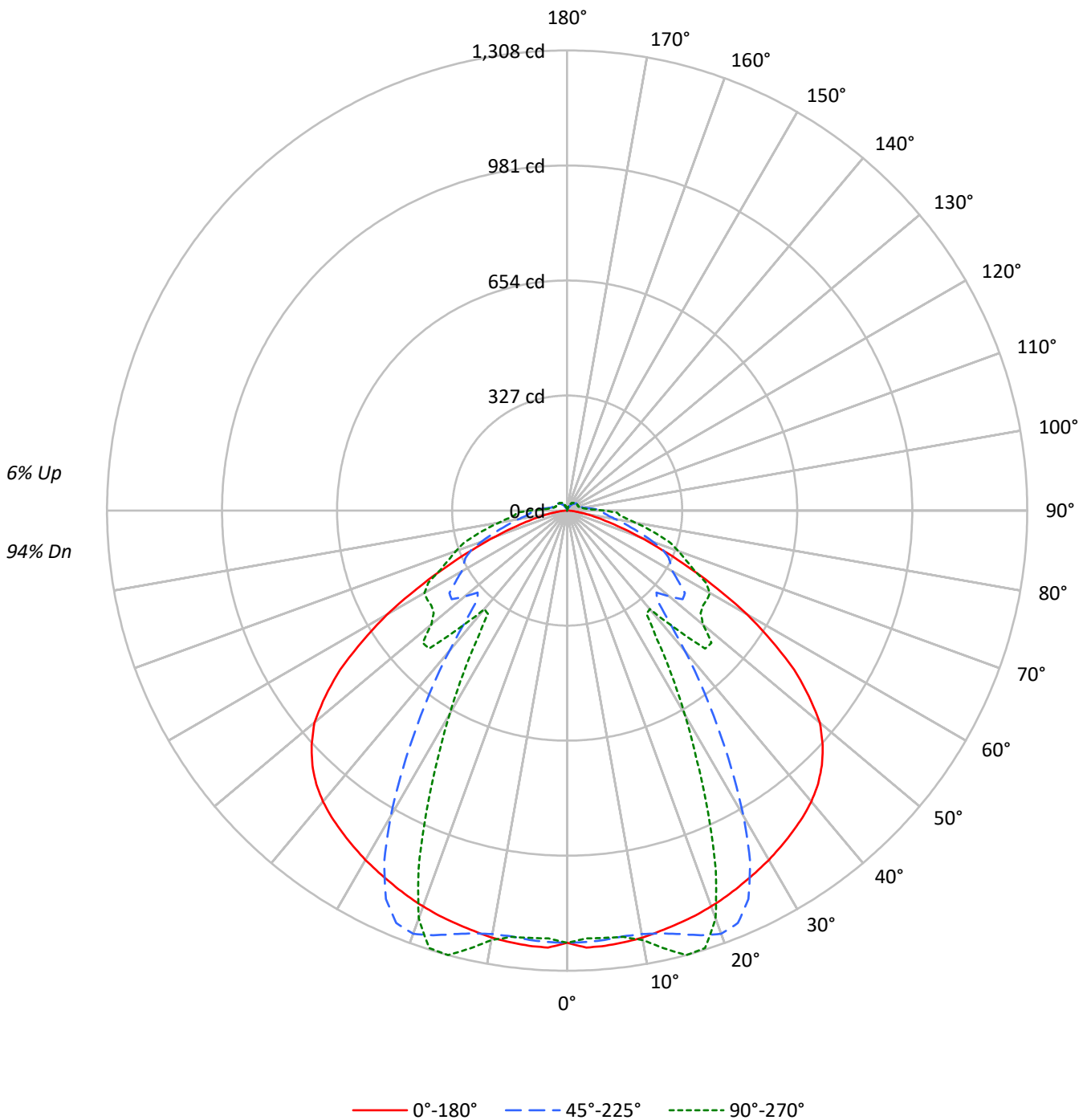
Lumens per Lamp: N/A
Luminaire Lumens: 3155.0 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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



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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°	19850	19850	19850
5°	20037	19348	19148
10°	20008	19020	19081
15°	20006	19254	19887
20°	20133	19792	18667
25°	20322	18986	14374
30°	20655	15873	10224
35°	21090	11999	6923
40°	21646	8705	5863
45°	22035	6300	9217
50°	21947	6961	8747
55°	20379	7989	8636
60°	17223	7286	9181
65°	12815	7322	8399
70°	8860	6636	7816
75°	5671	5527	7015
80°	3477	4701	5839
85°	1709	4420	5240



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	3.7
10°-20°	352.9	11.2
20°-30°	512.6	16.2
30°-40°	489.8	15.5
40°-50°	448.0	14.2
50°-60°	413.7	13.1
60°-70°	328.6	10.4
70°-80°	202.8	6.4
80°-90°	110.4	3.5
90°-100°	55.8	1.8
100°-110°	35.1	1.1
110°-120°	29.7	0.9
120°-130°	24.3	0.8
130°-140°	17.4	0.6
140°-150°	10.7	0.3
150°-160°	5.1	0.2
160°-170°	1.3	0.0
170°-180°	0.0	0.0
0°-30°	982.3	31.1
0°-40°	1472.1	46.7
0°-60°	2333.8	74.0
0°-90°	2975.6	94.3
90°-120°	120.6	3.8
90°-150°	173.0	5.5
90°-180°	179.0	5.7
0°-180°	3155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1228	1228	1228	1228	1228	
5°	1242	1223	1225	1218	1219	118
15°	1216	1199	1246	1292	1308	344
25°	1173	1196	1218	1031	947	542
35°	1116	1098	740	509	443	700
45°	1024	714	361	460	555	787
55°	788	366	409	440	471	694
65°	380	238	319	387	396	384
75°	112	127	191	253	270	127
85°	16	54	108	147	150	20
90°	0	40	97	115	106	1
95°	0	38	67	59	56	0
105°	0	34	41	38	37	0
115°	0	28	40	35	34	0
125°	0	22	35	34	33	0
135°	0	16	28	31	30	0
145°	0	10	20	25	27	0
155°	1	6	12	16	19	0
165°	1	3	6	8	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°	1228.2	1228.2	1228.2	1228.2	1228.2
2.5°	1243.4	1225.5	1227.7	1223.9	1217.3
5°	1241.8	1222.8	1224.9	1218.4	1219.0
7.5°	1237.5	1217.9	1220.6	1219.5	1222.2
10°	1232.6	1211.9	1222.2	1231.5	1239.6
12.5°	1223.9	1205.4	1230.4	1257.6	1274.4
15°	1215.7	1199.4	1246.2	1292.4	1308.1
17.5°	1207.6	1197.2	1265.7	1306.0	1303.8
20°	1197.2	1196.1	1280.4	1266.8	1233.6
22.5°	1185.8	1196.7	1269.0	1169.5	1104.2
25°	1172.8	1195.6	1218.4	1031.4	947.1
27.5°	1159.7	1190.7	1126.5	880.2	797.1
30°	1146.7	1177.6	1002.6	742.1	666.6
32.5°	1131.4	1149.4	867.7	619.8	550.2
35°	1115.7	1097.7	740.0	509.4	443.1
37.5°	1099.4	1023.2	625.3	412.7	370.3
40°	1079.8	929.7	519.8	353.9	365.4
42.5°	1055.3	824.2	426.8	371.3	450.7
45°	1024.3	714.4	361.0	460.5	554.6
47.5°	985.2	608.9	344.7	527.4	556.7
50°	937.9	512.2	379.0	505.6	503.5
52.5°	866.1	431.7	413.8	461.1	478.5
55°	787.8	366.5	408.9	439.9	470.8
57.5°	688.9	322.4	375.2	435.5	471.4
60°	590.5	293.1	346.3	435.0	468.7
62.5°	481.7	266.4	331.7	424.6	444.7
65°	380.0	237.6	318.6	387.1	396.4
67.5°	291.4	208.2	295.8	345.2	363.7
70°	219.7	179.4	259.9	313.2	336.0
72.5°	158.2	152.2	222.9	284.9	308.8
75°	112.0	126.7	190.8	252.8	269.7
77.5°	77.2	103.3	163.7	217.5	231.1
80°	50.6	82.6	139.2	187.0	196.3
82.5°	30.4	66.3	120.7	163.7	168.5
85°	15.8	53.8	108.2	147.3	149.5
87.5°	4.9	45.1	101.1	139.7	142.4
90°	0.5	40.2	96.8	114.7	106.0
92.5°	0.0	38.1	83.7	78.3	70.1
95°	0.0	37.5	66.9	59.3	56.0
97.5°	0.0	36.4	54.9	49.5	47.8
100°	0.0	35.3	47.3	43.5	43.0
102.5°	0.0	34.8	43.0	39.7	39.1
105°	0.0	33.7	41.3	37.5	37.0
107.5°	0.0	32.1	40.2	36.4	35.3
110°	0.0	30.4	40.2	35.9	34.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	28.8	40.2	35.3	33.7
115°	0.0	27.7	39.7	35.3	33.7
117.5°	0.5	26.6	39.1	35.3	33.7
120°	0.0	25.6	38.1	35.3	33.2
122.5°	0.5	23.9	37.0	34.8	33.2
125°	0.5	22.3	35.3	34.3	32.6
127.5°	0.5	20.7	33.7	33.2	31.5
130°	0.5	19.0	32.1	32.6	31.0
132.5°	0.5	17.4	29.9	31.5	30.4
135°	0.5	15.8	28.3	31.0	29.9
137.5°	0.5	14.1	26.1	29.4	29.4
140°	0.5	12.5	23.9	28.3	28.8
142.5°	0.5	11.4	21.7	27.2	27.7
145°	0.5	9.8	19.6	25.0	26.6
147.5°	0.5	8.7	17.4	22.8	25.0
150°	0.5	7.6	15.2	20.7	22.8
152.5°	0.5	6.5	13.6	17.9	21.2
155°	1.1	6.0	12.0	15.8	19.0
157.5°	1.1	4.9	9.8	13.6	16.3
160°	1.1	4.3	8.7	11.4	14.7
162.5°	1.1	3.8	7.1	9.8	12.5
165°	1.1	3.3	6.0	7.6	10.3
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)