

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-L835-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-L835-CD1-U  
Description: 2FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

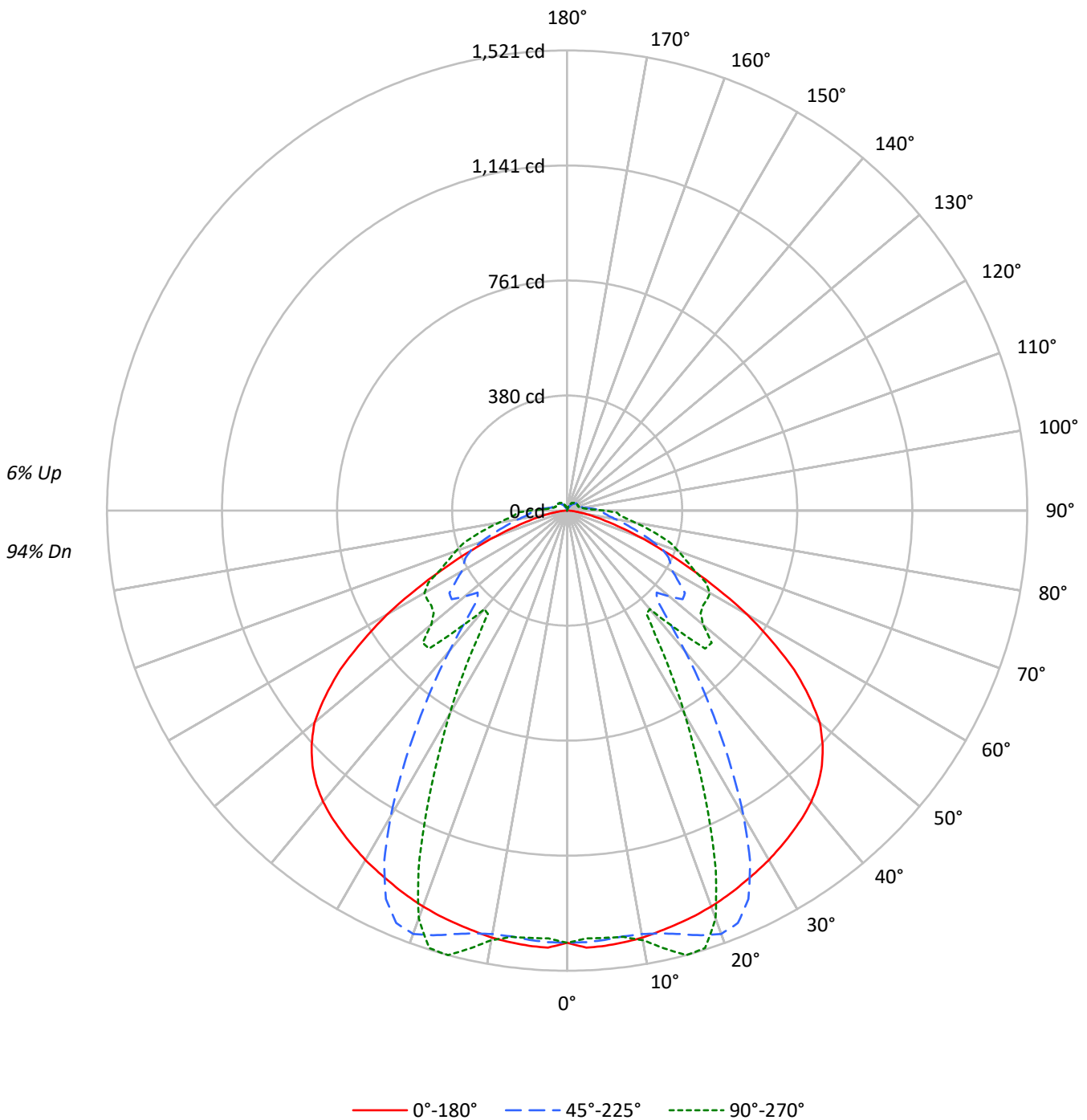
Lumens per Lamp: N/A  
Luminaire Lumens: 3669.0 lumens  
Efficiency: N/A  
Efficacy: 135.9 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')  
CIE Type: Direct

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°	23084	23084	23084
5°	23301	22501	22268
10°	23268	22119	22190
15°	23266	22391	23128
20°	23414	23016	21708
25°	23632	22079	16715
30°	24019	18459	11890
35°	24525	13953	8051
40°	25173	10124	6817
45°	25625	7327	10717
50°	25523	8094	10171
55°	23701	9290	10043
60°	20026	8475	10676
65°	14905	8515	9765
70°	10300	7716	9089
75°	6593	6428	8156
80°	4041	5468	6791
85°	1979	5139	6095



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.9	3.7
10°-20°	410.4	11.2
20°-30°	596.1	16.2
30°-40°	569.6	15.5
40°-50°	521.0	14.2
50°-60°	481.1	13.1
60°-70°	382.1	10.4
70°-80°	235.8	6.4
80°-90°	128.4	3.5
90°-100°	64.9	1.8
100°-110°	40.8	1.1
110°-120°	34.6	0.9
120°-130°	28.2	0.8
130°-140°	20.2	0.6
140°-150°	12.5	0.3
150°-160°	5.9	0.2
160°-170°	1.5	0.0
170°-180°	0.0	0.0
0°-30°	1142.4	31.1
0°-40°	1711.9	46.7
0°-60°	2714.0	74.0
0°-90°	3460.3	94.3
90°-120°	140.3	3.8
90°-150°	201.2	5.5
90°-180°	209.0	5.7
0°-180°	3669.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1428	1428	1428	1428	1428	
5°	1444	1422	1424	1417	1418	137
15°	1414	1395	1449	1503	1521	400
25°	1364	1390	1417	1199	1101	630
35°	1297	1277	860	592	515	814
45°	1191	831	420	536	645	915
55°	916	426	476	512	548	807
65°	442	276	370	450	461	447
75°	130	147	222	294	314	148
85°	18	63	126	171	174	23
90°	1	47	112	133	123	1
95°	0	44	78	69	65	0
105°	0	39	48	44	43	0
115°	0	32	46	41	39	0
125°	1	26	41	40	38	0
135°	1	18	33	36	35	0
145°	1	11	23	29	31	0
155°	1	7	14	18	22	0
165°	1	4	7	9	12	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°	1428.3	1428.3	1428.3	1428.3	1428.3
2.5°	1446.0	1425.1	1427.7	1423.2	1415.7
5°	1444.1	1422.0	1424.5	1416.9	1417.6
7.5°	1439.1	1416.3	1419.5	1418.2	1421.4
10°	1433.4	1409.3	1421.4	1432.1	1441.6
12.5°	1423.2	1401.8	1430.8	1462.4	1482.0
15°	1413.8	1394.8	1449.2	1502.9	1521.3
17.5°	1404.3	1392.3	1471.9	1518.7	1516.2
20°	1392.3	1391.0	1489.0	1473.2	1434.6
22.5°	1379.0	1391.6	1475.7	1360.0	1284.1
25°	1363.8	1390.4	1416.9	1199.4	1101.4
27.5°	1348.6	1384.7	1310.1	1023.7	926.9
30°	1333.5	1369.5	1165.9	863.1	775.2
32.5°	1315.8	1336.6	1009.1	720.8	639.9
35°	1297.4	1276.6	860.5	592.4	515.3
37.5°	1278.5	1189.9	727.1	479.9	430.6
40°	1255.7	1081.2	604.5	411.6	424.9
42.5°	1227.2	958.5	496.3	431.8	524.2
45°	1191.2	830.8	419.8	535.5	644.9
47.5°	1145.7	708.1	400.9	613.3	647.4
50°	1090.7	595.6	440.7	588.0	585.5
52.5°	1007.2	502.0	481.2	536.2	556.4
55°	916.2	426.2	475.5	511.5	547.5
57.5°	801.1	374.9	436.3	506.5	548.2
60°	686.6	340.8	402.8	505.8	545.0
62.5°	560.2	309.8	385.7	493.8	517.2
65°	442.0	276.3	370.5	450.2	460.9
67.5°	338.9	242.2	344.0	401.5	423.0
70°	255.4	208.7	302.2	364.2	390.7
72.5°	184.0	177.0	259.2	331.3	359.1
75°	130.2	147.3	221.9	294.0	313.6
77.5°	89.8	120.1	190.3	252.9	268.7
80°	58.8	96.1	161.9	217.5	228.3
82.5°	35.4	77.1	140.4	190.3	196.0
85°	18.3	62.6	125.8	171.3	173.9
87.5°	5.7	52.5	117.6	162.5	165.7
90°	0.6	46.8	112.5	133.4	123.3
92.5°	0.0	44.3	97.4	91.0	81.6
95°	0.0	43.6	77.8	68.9	65.1
97.5°	0.0	42.4	63.9	57.5	55.6
100°	0.0	41.1	55.0	50.6	49.9
102.5°	0.0	40.5	49.9	46.2	45.5
105°	0.0	39.2	48.1	43.6	43.0
107.5°	0.0	37.3	46.8	42.4	41.1
110°	0.0	35.4	46.8	41.7	39.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	33.5	46.8	41.1	39.2
115°	0.0	32.2	46.2	41.1	39.2
117.5°	0.6	31.0	45.5	41.1	39.2
120°	0.0	29.7	44.3	41.1	38.6
122.5°	0.6	27.8	43.0	40.5	38.6
125°	0.6	25.9	41.1	39.8	37.9
127.5°	0.6	24.0	39.2	38.6	36.7
130°	0.6	22.1	37.3	37.9	36.0
132.5°	0.6	20.2	34.8	36.7	35.4
135°	0.6	18.3	32.9	36.0	34.8
137.5°	0.6	16.4	30.3	34.1	34.1
140°	0.6	14.5	27.8	32.9	33.5
142.5°	0.6	13.3	25.3	31.6	32.2
145°	0.6	11.4	22.8	29.1	31.0
147.5°	0.6	10.1	20.2	26.6	29.1
150°	0.6	8.9	17.7	24.0	26.6
152.5°	0.6	7.6	15.8	20.9	24.7
155°	1.3	7.0	13.9	18.3	22.1
157.5°	1.3	5.7	11.4	15.8	19.0
160°	1.3	5.1	10.1	13.3	17.1
162.5°	1.3	4.4	8.2	11.4	14.5
165°	1.3	3.8	7.0	8.9	12.0
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)