

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-LD5-30SL-SLC-UNV-L830-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-LD5-30SL-SLC-UNV-L830-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

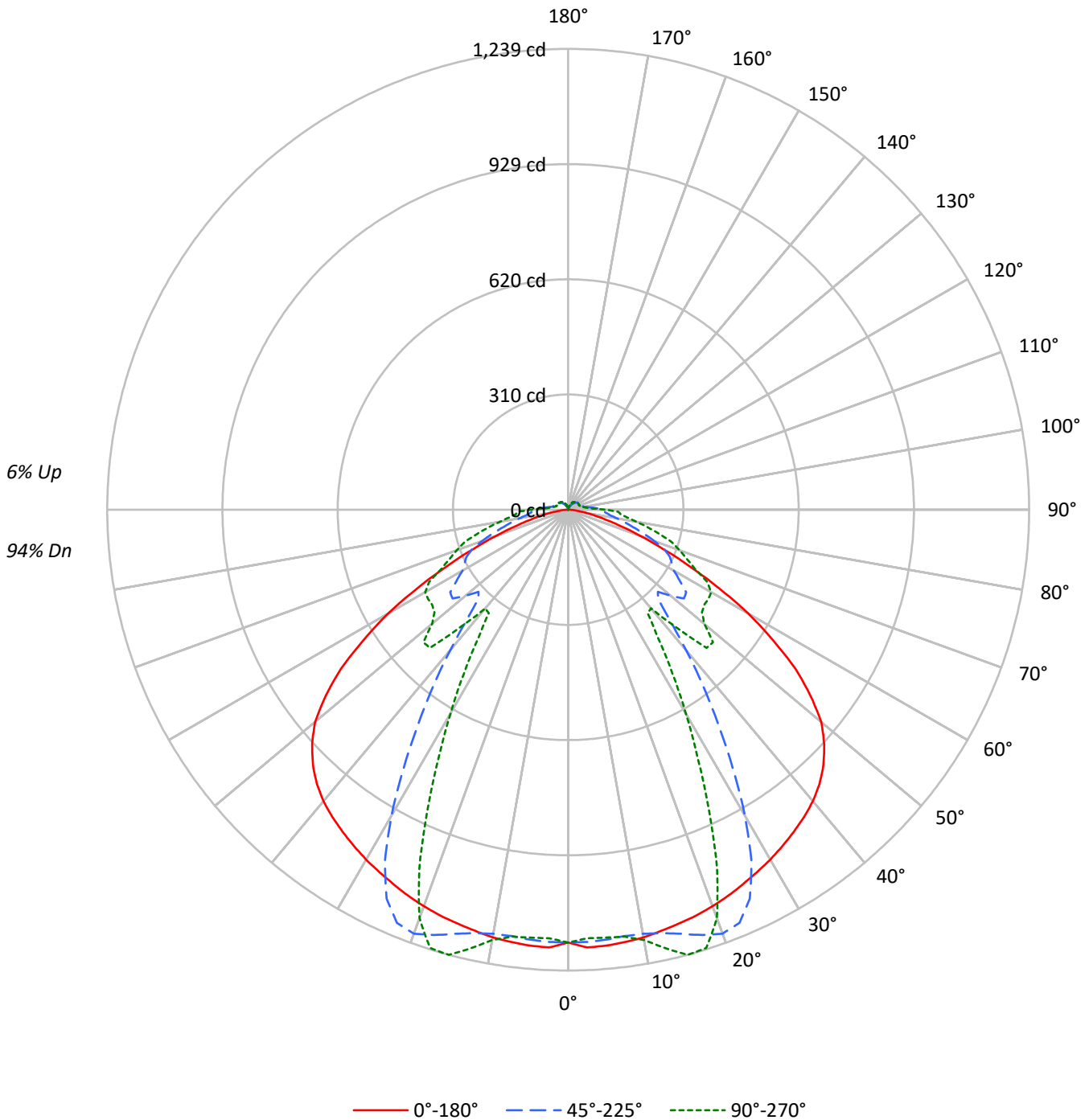
Lumens per Lamp: N/A
Luminaire Lumens: 2989.0 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
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°	9403	9403	9403
5°	9518	9183	9070
10°	9529	9043	9039
15°	9555	9170	9421
20°	9644	9443	8842
25°	9764	9075	6809
30°	9957	7601	4843
35°	10204	5756	3279
40°	10516	4185	2776
45°	10754	3036	4366
50°	10769	3361	4143
55°	10067	3868	4092
60°	8577	3540	4349
65°	6451	3570	3978
70°	4528	3250	3702
75°	2967	2723	3323
80°	1894	2333	2765
85°	1018	2217	2482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	3.7
10°-20°	334.3	11.2
20°-30°	485.6	16.2
30°-40°	464.0	15.5
40°-50°	424.4	14.2
50°-60°	391.9	13.1
60°-70°	311.3	10.4
70°-80°	192.1	6.4
80°-90°	104.6	3.5
90°-100°	52.9	1.8
100°-110°	33.2	1.1
110°-120°	28.1	0.9
120°-130°	23.0	0.8
130°-140°	16.5	0.6
140°-150°	10.2	0.3
150°-160°	4.8	0.2
160°-170°	1.3	0.0
170°-180°	0.0	0.0
0°-30°	930.6	31.1
0°-40°	1394.6	46.7
0°-60°	2211.0	74.0
0°-90°	2819.0	94.3
90°-120°	114.2	3.8
90°-150°	163.9	5.5
90°-180°	170.0	5.7
0°-180°	2989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1164	1164	1164	1164	1164	
5°	1176	1158	1160	1154	1155	112
15°	1152	1136	1181	1224	1239	326
25°	1111	1133	1154	977	897	514
35°	1057	1040	701	483	420	663
45°	970	677	342	436	525	746
55°	746	347	387	417	446	657
65°	360	225	302	367	376	364
75°	106	120	181	240	256	120
85°	15	51	102	140	142	19
90°	0	38	92	109	100	1
95°	0	36	63	56	53	0
105°	0	32	39	36	35	0
115°	0	26	38	34	32	0
125°	0	21	34	32	31	0
135°	0	15	27	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°	1163.6	1163.6	1163.6	1163.6	1163.6
2.5°	1178.0	1161.0	1163.1	1159.5	1153.3
5°	1176.5	1158.4	1160.5	1154.3	1154.8
7.5°	1172.3	1153.8	1156.4	1155.3	1157.9
10°	1167.7	1148.1	1157.9	1166.7	1174.4
12.5°	1159.5	1142.0	1165.6	1191.4	1207.4
15°	1151.7	1136.3	1180.6	1224.4	1239.3
17.5°	1144.0	1134.2	1199.1	1237.2	1235.2
20°	1134.2	1133.2	1213.0	1200.2	1168.7
22.5°	1123.4	1133.7	1202.2	1108.0	1046.1
25°	1111.0	1132.7	1154.3	977.1	897.3
27.5°	1098.7	1128.0	1067.3	833.9	755.1
30°	1086.3	1115.7	949.8	703.1	631.5
32.5°	1071.9	1088.9	822.1	587.2	521.3
35°	1057.0	1040.0	701.0	482.6	419.8
37.5°	1041.5	969.4	592.4	391.0	350.8
40°	1023.0	880.8	492.4	335.3	346.1
42.5°	999.8	780.9	404.3	351.8	427.0
45°	970.4	676.8	342.0	436.3	525.4
47.5°	933.3	576.9	326.6	499.6	527.5
50°	888.5	485.2	359.0	479.0	477.0
52.5°	820.5	409.0	392.0	436.8	453.3
55°	746.4	347.2	387.3	416.7	446.1
57.5°	652.6	305.4	355.4	412.6	446.6
60°	559.4	277.6	328.1	412.1	444.0
62.5°	456.4	252.4	314.2	402.3	421.3
65°	360.0	225.1	301.8	366.7	375.5
67.5°	276.1	197.3	280.2	327.1	344.6
70°	208.1	170.0	246.2	296.7	318.3
72.5°	149.9	144.2	211.2	269.9	292.6
75°	106.1	120.0	180.8	239.5	255.5
77.5°	73.1	97.9	155.0	206.0	218.9
80°	47.9	78.3	131.9	177.2	185.9
82.5°	28.8	62.8	114.4	155.0	159.7
85°	14.9	51.0	102.5	139.6	141.6
87.5°	4.6	42.8	95.8	132.4	135.0
90°	0.5	38.1	91.7	108.7	100.4
92.5°	0.0	36.1	79.3	74.2	66.4
95°	0.0	35.5	63.4	56.1	53.1
97.5°	0.0	34.5	52.0	46.9	45.3
100°	0.0	33.5	44.8	41.2	40.7
102.5°	0.0	33.0	40.7	37.6	37.1
105°	0.0	31.9	39.1	35.5	35.0
107.5°	0.0	30.4	38.1	34.5	33.5
110°	0.0	28.8	38.1	34.0	32.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.3	38.1	33.5	31.9
115°	0.0	26.3	37.6	33.5	31.9
117.5°	0.5	25.2	37.1	33.5	31.9
120°	0.0	24.2	36.1	33.5	31.4
122.5°	0.5	22.7	35.0	33.0	31.4
125°	0.5	21.1	33.5	32.5	30.9
127.5°	0.5	19.6	31.9	31.4	29.9
130°	0.5	18.0	30.4	30.9	29.4
132.5°	0.5	16.5	28.3	29.9	28.8
135°	0.5	14.9	26.8	29.4	28.3
137.5°	0.5	13.4	24.7	27.8	27.8
140°	0.5	11.8	22.7	26.8	27.3
142.5°	0.5	10.8	20.6	25.8	26.3
145°	0.5	9.3	18.5	23.7	25.2
147.5°	0.5	8.2	16.5	21.6	23.7
150°	0.5	7.2	14.4	19.6	21.6
152.5°	0.5	6.2	12.9	17.0	20.1
155°	1.0	5.7	11.3	14.9	18.0
157.5°	1.0	4.6	9.3	12.9	15.5
160°	1.0	4.1	8.2	10.8	13.9
162.5°	1.0	3.6	6.7	9.3	11.8
165°	1.0	3.1	5.7	7.2	9.8
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)