

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-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: 4SNLED-LD5-30SL-SLC-UNV-L835-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

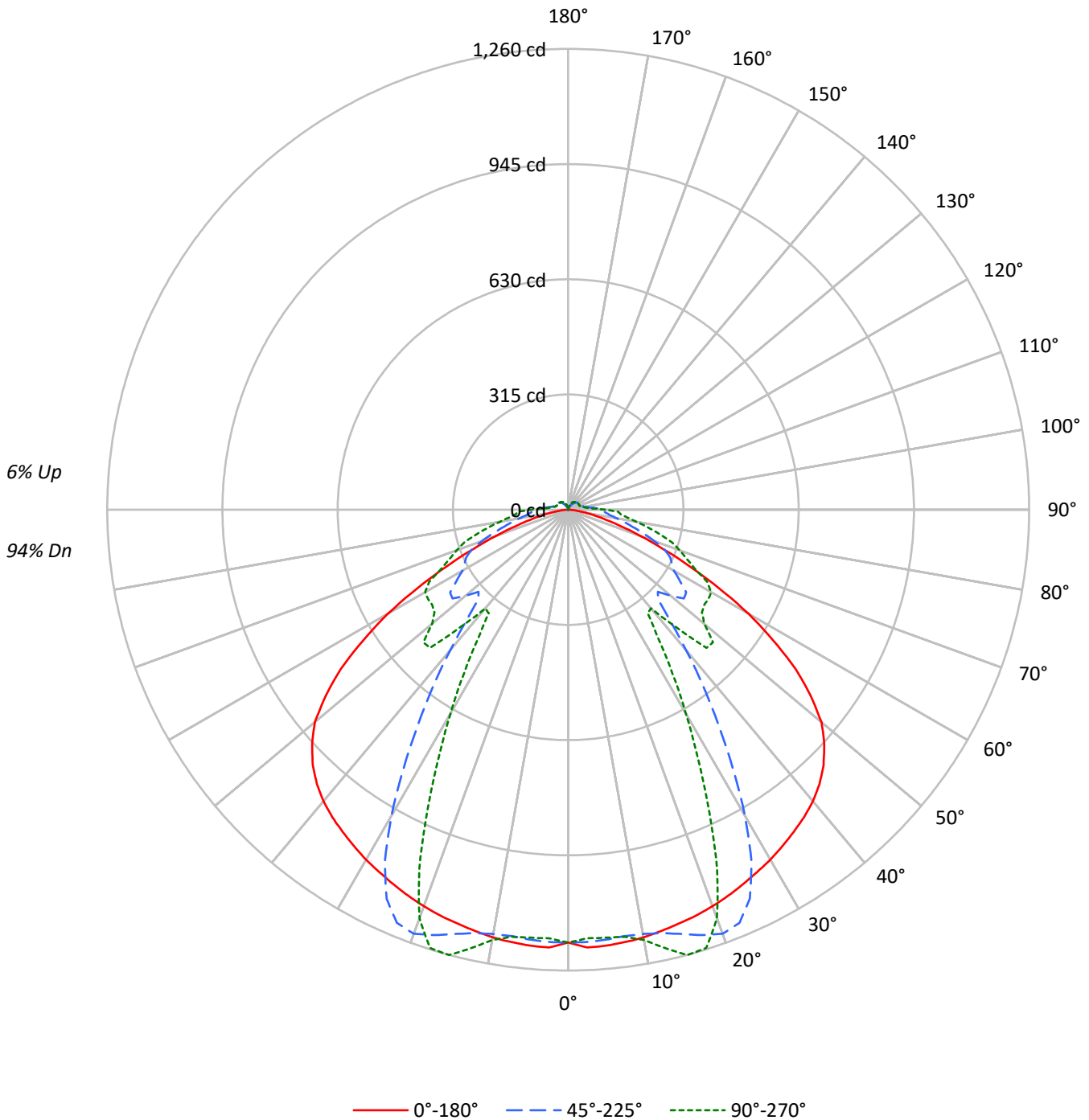
Lumens per Lamp: N/A
Luminaire Lumens: 3040.0 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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	63	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°	9563	9563	9563
5°	9679	9340	9224
10°	9692	9198	9192
15°	9719	9327	9582
20°	9809	9604	8994
25°	9931	9230	6925
30°	10127	7731	4926
35°	10378	5855	3336
40°	10695	4256	2824
45°	10938	3088	4440
50°	10953	3419	4214
55°	10238	3935	4161
60°	8722	3600	4423
65°	6562	3631	4046
70°	4604	3305	3766
75°	3017	2770	3379
80°	1925	2372	2813
85°	1038	2256	2525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.6	3.7
10°-20°	340.0	11.2
20°-30°	493.9	16.2
30°-40°	471.9	15.5
40°-50°	431.7	14.2
50°-60°	398.6	13.1
60°-70°	316.6	10.4
70°-80°	195.4	6.4
80°-90°	106.4	3.5
90°-100°	53.8	1.8
100°-110°	33.8	1.1
110°-120°	28.6	0.9
120°-130°	23.4	0.8
130°-140°	16.8	0.6
140°-150°	10.3	0.3
150°-160°	4.9	0.2
160°-170°	1.3	0.0
170°-180°	0.0	0.0
0°-30°	946.5	31.1
0°-40°	1418.4	46.7
0°-60°	2248.7	74.0
0°-90°	2867.1	94.3
90°-120°	116.2	3.8
90°-150°	166.7	5.5
90°-180°	173.0	5.7
0°-180°	3040.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1183	1183	1183	1183	1183	
5°	1196	1178	1180	1174	1174	114
15°	1171	1156	1201	1245	1260	332
25°	1130	1152	1174	994	913	522
35°	1075	1058	713	491	427	674
45°	987	688	348	444	534	759
55°	759	353	394	424	454	669
65°	366	229	307	373	382	370
75°	108	122	184	244	260	122
85°	15	52	104	142	144	19
90°	0	39	93	110	102	1
95°	0	36	64	57	54	0
105°	0	32	40	36	36	0
115°	0	27	38	34	32	0
125°	0	22	34	33	31	0
135°	0	15	27	30	29	0
145°	0	9	19	24	26	0
155°	1	6	12	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°	1183.4	1183.4	1183.4	1183.4	1183.4
2.5°	1198.1	1180.8	1182.9	1179.3	1173.0
5°	1196.5	1178.2	1180.3	1174.0	1174.5
7.5°	1192.3	1173.5	1176.1	1175.1	1177.7
10°	1187.6	1167.7	1177.7	1186.6	1194.4
12.5°	1179.3	1161.4	1185.5	1211.7	1228.0
15°	1171.4	1155.7	1200.7	1245.3	1260.5
17.5°	1163.5	1153.6	1219.6	1258.4	1256.3
20°	1153.6	1152.5	1233.7	1220.6	1188.7
22.5°	1142.6	1153.1	1222.7	1126.9	1064.0
25°	1130.0	1152.0	1174.0	993.8	912.6
27.5°	1117.4	1147.3	1085.5	848.2	768.0
30°	1104.9	1134.7	966.0	715.1	642.3
32.5°	1090.2	1107.5	836.1	597.2	530.2
35°	1075.0	1057.7	713.0	490.9	427.0
37.5°	1059.3	985.9	602.5	397.6	356.8
40°	1040.4	895.8	500.8	341.0	352.0
42.5°	1016.8	794.2	411.2	357.8	434.3
45°	987.0	688.4	347.9	443.7	534.4
47.5°	949.3	586.7	332.1	508.2	536.5
50°	903.7	493.5	365.1	487.2	485.1
52.5°	834.5	416.0	398.7	444.2	461.0
55°	759.1	353.1	394.0	423.8	453.7
57.5°	663.8	310.7	361.5	419.6	454.2
60°	568.9	282.4	333.7	419.1	451.6
62.5°	464.2	256.7	319.6	409.1	428.5
65°	366.2	228.9	307.0	373.0	381.9
67.5°	280.8	200.6	285.0	332.7	350.5
70°	211.6	172.9	250.4	301.8	323.8
72.5°	152.4	146.7	214.8	274.5	297.6
75°	107.9	122.1	183.9	243.6	259.8
77.5°	74.4	99.5	157.7	209.6	222.6
80°	48.7	79.6	134.1	180.2	189.1
82.5°	29.3	63.9	116.3	157.7	162.4
85°	15.2	51.9	104.3	142.0	144.1
87.5°	4.7	43.5	97.4	134.6	137.3
90°	0.5	38.8	93.3	110.5	102.2
92.5°	0.0	36.7	80.7	75.4	67.6
95°	0.0	36.1	64.4	57.1	54.0
97.5°	0.0	35.1	52.9	47.7	46.1
100°	0.0	34.1	45.6	41.9	41.4
102.5°	0.0	33.5	41.4	38.2	37.7
105°	0.0	32.5	39.8	36.1	35.6
107.5°	0.0	30.9	38.8	35.1	34.1
110°	0.0	29.3	38.8	34.6	33.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	27.8	38.8	34.1	32.5
115°	0.0	26.7	38.2	34.1	32.5
117.5°	0.5	25.7	37.7	34.1	32.5
120°	0.0	24.6	36.7	34.1	32.0
122.5°	0.5	23.1	35.6	33.5	32.0
125°	0.5	21.5	34.1	33.0	31.4
127.5°	0.5	19.9	32.5	32.0	30.4
130°	0.5	18.3	30.9	31.4	29.9
132.5°	0.5	16.8	28.8	30.4	29.3
135°	0.5	15.2	27.2	29.9	28.8
137.5°	0.5	13.6	25.1	28.3	28.3
140°	0.5	12.0	23.1	27.2	27.8
142.5°	0.5	11.0	21.0	26.2	26.7
145°	0.5	9.4	18.9	24.1	25.7
147.5°	0.5	8.4	16.8	22.0	24.1
150°	0.5	7.3	14.7	19.9	22.0
152.5°	0.5	6.3	13.1	17.3	20.4
155°	1.0	5.8	11.5	15.2	18.3
157.5°	1.0	4.7	9.4	13.1	15.7
160°	1.0	4.2	8.4	11.0	14.1
162.5°	1.0	3.7	6.8	9.4	12.0
165°	1.0	3.1	5.8	7.3	10.0
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)