

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-L950-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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

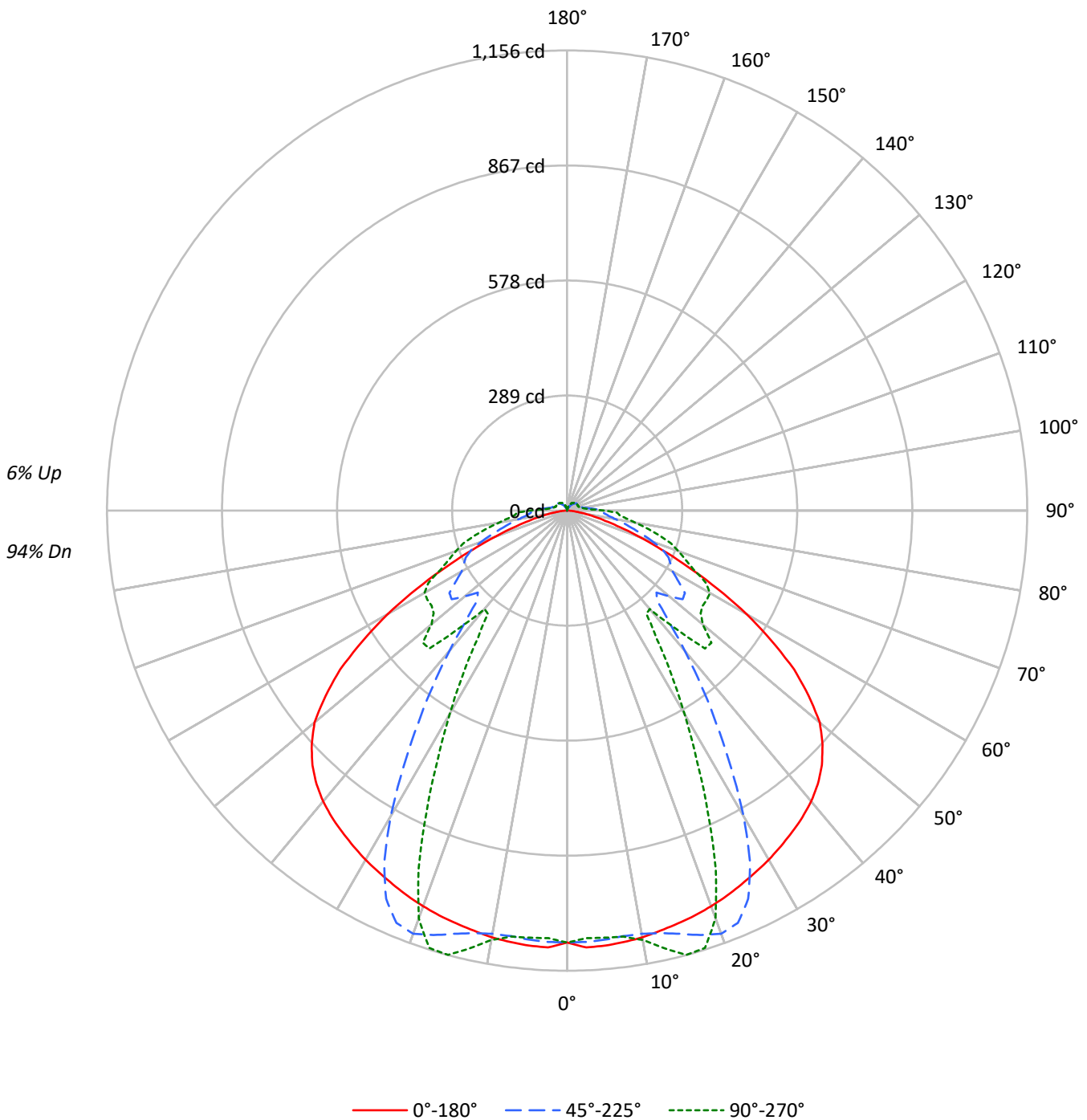
Lumens per Lamp: N/A
Luminaire Lumens: 2787.0 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	8768	8768	8768
5°	8874	8562	8457
10°	8885	8432	8427
15°	8910	8551	8784
20°	8993	8806	8245
25°	9105	8462	6348
30°	9284	7087	4516
35°	9514	5368	3058
40°	9805	3902	2589
45°	10027	2831	4071
50°	10042	3135	3863
55°	9386	3608	3815
60°	7997	3300	4055
65°	6016	3328	3709
70°	4221	3031	3452
75°	2765	2539	3098
80°	1767	2176	2579
85°	950	2068	2315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	3.7
10°-20°	311.7	11.2
20°-30°	452.8	16.2
30°-40°	432.6	15.5
40°-50°	395.7	14.2
50°-60°	365.4	13.1
60°-70°	290.2	10.4
70°-80°	179.2	6.4
80°-90°	97.6	3.5
90°-100°	49.3	1.8
100°-110°	31.0	1.1
110°-120°	26.2	0.9
120°-130°	21.4	0.8
130°-140°	15.4	0.6
140°-150°	9.5	0.3
150°-160°	4.5	0.2
160°-170°	1.2	0.0
170°-180°	0.0	0.0
0°-30°	867.7	31.1
0°-40°	1300.4	46.7
0°-60°	2061.5	74.0
0°-90°	2628.5	94.3
90°-120°	106.5	3.8
90°-150°	152.8	5.5
90°-180°	159.0	5.7
0°-180°	2787.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1085	1085	1085	1085	1085	
5°	1097	1080	1082	1076	1077	104
15°	1074	1060	1101	1142	1156	304
25°	1036	1056	1076	911	837	479
35°	986	970	654	450	391	618
45°	905	631	319	407	490	695
55°	696	324	361	388	416	613
65°	336	210	281	342	350	339
75°	99	112	169	223	238	112
85°	14	48	96	130	132	18
90°	0	36	86	101	94	1
95°	0	33	59	52	50	0
105°	0	30	36	33	33	0
115°	0	24	35	31	30	0
125°	0	20	31	30	29	0
135°	0	14	25	27	26	0
145°	0	9	17	22	24	0
155°	1	5	11	14	17	0
165°	1	3	5	7	9	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°	1085.0	1085.0	1085.0	1085.0	1085.0
2.5°	1098.4	1082.6	1084.5	1081.1	1075.3
5°	1097.0	1080.1	1082.1	1076.3	1076.8
7.5°	1093.1	1075.8	1078.2	1077.3	1079.7
10°	1088.8	1070.5	1079.7	1087.8	1095.0
12.5°	1081.1	1064.8	1086.9	1110.9	1125.8
15°	1073.9	1059.5	1100.8	1141.6	1155.6
17.5°	1066.7	1057.6	1118.1	1153.6	1151.7
20°	1057.6	1056.6	1131.1	1119.1	1089.8
22.5°	1047.5	1057.1	1121.0	1033.1	975.4
25°	1036.0	1056.1	1076.3	911.1	836.6
27.5°	1024.4	1051.8	995.1	777.6	704.1
30°	1012.9	1040.3	885.6	655.6	588.8
32.5°	999.5	1015.3	766.5	547.5	486.0
35°	985.5	969.7	653.7	450.0	391.4
37.5°	971.1	903.9	552.3	364.5	327.1
40°	953.8	821.3	459.1	312.7	322.7
42.5°	932.2	728.1	377.0	328.0	398.2
45°	904.8	631.1	318.9	406.8	489.9
47.5°	870.3	537.9	304.5	465.9	491.8
50°	828.5	452.4	334.8	446.7	444.7
52.5°	765.1	381.3	365.5	407.3	422.6
55°	695.9	323.7	361.2	388.5	415.9
57.5°	608.5	284.8	331.4	384.7	416.4
60°	521.6	258.9	305.9	384.2	414.0
62.5°	425.5	235.3	293.0	375.1	392.9
65°	335.7	209.9	281.4	342.0	350.1
67.5°	257.4	183.9	261.3	305.0	321.3
70°	194.0	158.5	229.6	276.6	296.8
72.5°	139.8	134.5	196.9	251.7	272.8
75°	98.9	111.9	168.6	223.3	238.2
77.5°	68.2	91.3	144.6	192.1	204.1
80°	44.7	73.0	123.0	165.2	173.4
82.5°	26.9	58.6	106.6	144.6	148.9
85°	13.9	47.5	95.6	130.2	132.1
87.5°	4.3	39.9	89.3	123.4	125.8
90°	0.5	35.5	85.5	101.3	93.7
92.5°	0.0	33.6	74.0	69.2	62.0
95°	0.0	33.1	59.1	52.4	49.5
97.5°	0.0	32.2	48.5	43.7	42.3
100°	0.0	31.2	41.8	38.4	37.9
102.5°	0.0	30.7	37.9	35.1	34.6
105°	0.0	29.8	36.5	33.1	32.7
107.5°	0.0	28.3	35.5	32.2	31.2
110°	0.0	26.9	35.5	31.7	30.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.5	35.5	31.2	29.8
115°	0.0	24.5	35.1	31.2	29.8
117.5°	0.5	23.5	34.6	31.2	29.8
120°	0.0	22.6	33.6	31.2	29.3
122.5°	0.5	21.1	32.7	30.7	29.3
125°	0.5	19.7	31.2	30.3	28.8
127.5°	0.5	18.3	29.8	29.3	27.9
130°	0.5	16.8	28.3	28.8	27.4
132.5°	0.5	15.4	26.4	27.9	26.9
135°	0.5	13.9	25.0	27.4	26.4
137.5°	0.5	12.5	23.1	25.9	25.9
140°	0.5	11.0	21.1	25.0	25.5
142.5°	0.5	10.1	19.2	24.0	24.5
145°	0.5	8.6	17.3	22.1	23.5
147.5°	0.5	7.7	15.4	20.2	22.1
150°	0.5	6.7	13.4	18.3	20.2
152.5°	0.5	5.8	12.0	15.8	18.7
155°	1.0	5.3	10.6	13.9	16.8
157.5°	1.0	4.3	8.6	12.0	14.4
160°	1.0	3.8	7.7	10.1	13.0
162.5°	1.0	3.4	6.2	8.6	11.0
165°	1.0	2.9	5.3	6.7	9.1
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)