

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-L935-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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

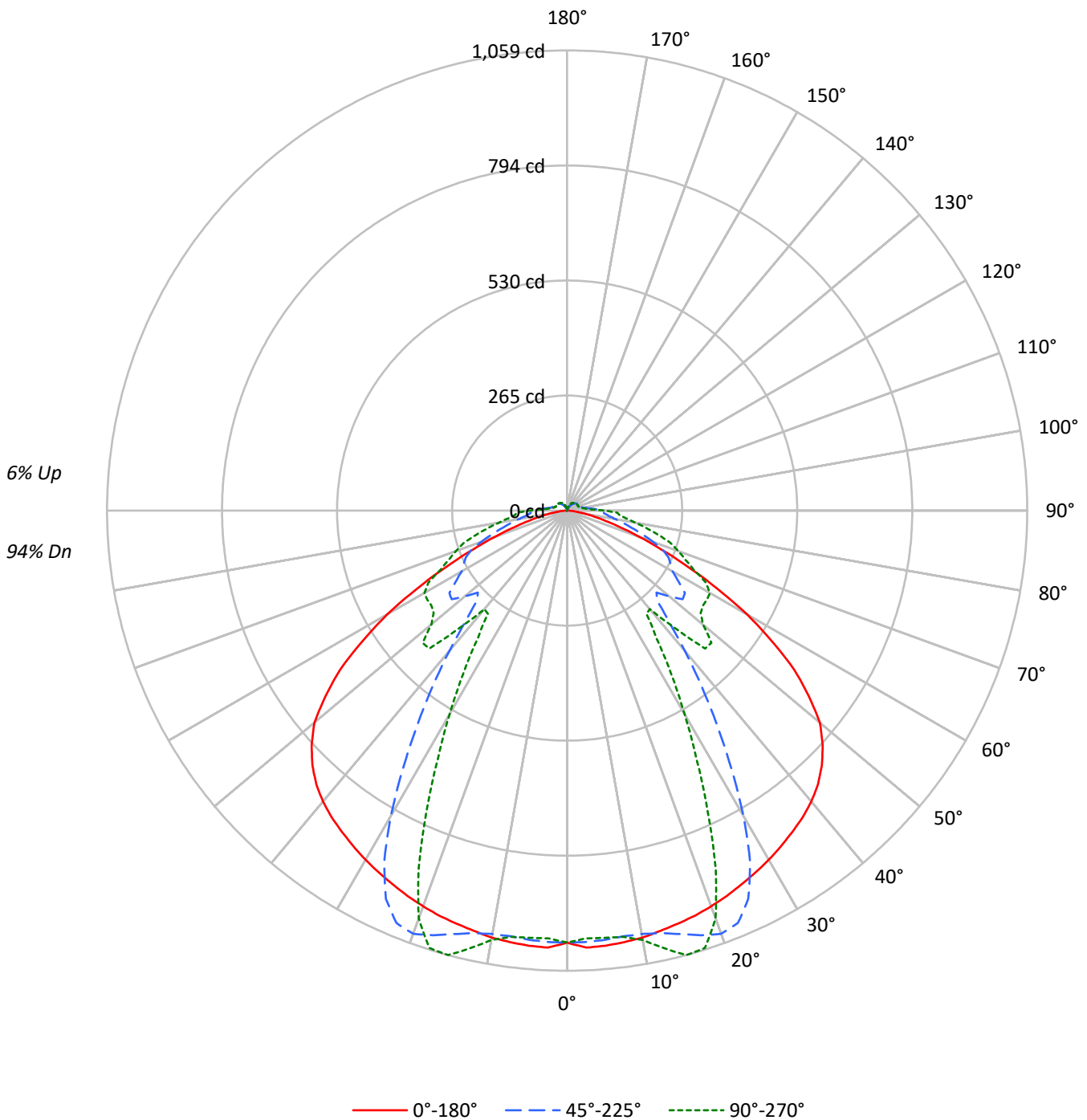
Lumens per Lamp: N/A
Luminaire Lumens: 2554.0 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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	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°	8034	8034	8034
5°	8133	7846	7750
10°	8143	7727	7723
15°	8165	7836	8049
20°	8241	8069	7555
25°	8344	7755	5818
30°	8508	6495	4138
35°	8718	4919	2802
40°	8985	3576	2373
45°	9189	2594	3730
50°	9202	2873	3540
55°	8601	3306	3496
60°	7329	3025	3716
65°	5512	3050	3399
70°	3869	2777	3164
75°	2536	2327	2839
80°	1617	1994	2363
85°	874	1895	2121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	3.7
10°-20°	285.7	11.2
20°-30°	415.0	16.2
30°-40°	396.5	15.5
40°-50°	362.7	14.2
50°-60°	334.9	13.1
60°-70°	266.0	10.4
70°-80°	164.2	6.4
80°-90°	89.4	3.5
90°-100°	45.2	1.8
100°-110°	28.4	1.1
110°-120°	24.0	0.9
120°-130°	19.6	0.8
130°-140°	14.1	0.6
140°-150°	8.7	0.3
150°-160°	4.1	0.2
160°-170°	1.1	0.0
170°-180°	0.0	0.0
0°-30°	795.2	31.1
0°-40°	1191.7	46.7
0°-60°	1889.2	74.0
0°-90°	2408.7	94.3
90°-120°	97.6	3.8
90°-150°	140.0	5.5
90°-180°	145.0	5.7
0°-180°	2554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	994	994	994	994	994	
5°	1005	990	992	986	987	96
15°	984	971	1009	1046	1059	279
25°	949	968	986	835	767	439
35°	903	889	599	412	359	566
45°	829	578	292	373	449	637
55°	638	297	331	356	381	562
65°	308	192	258	313	321	311
75°	91	102	154	205	218	103
85°	13	44	88	119	121	16
90°	0	33	78	93	86	1
95°	0	30	54	48	45	0
105°	0	27	33	30	30	0
115°	0	22	32	29	27	0
125°	0	18	29	28	26	0
135°	0	13	23	25	24	0
145°	0	8	16	20	22	0
155°	1	5	10	13	15	0
165°	1	3	5	6	8	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°	994.2	994.2	994.2	994.2	994.2
2.5°	1006.6	992.0	993.8	990.7	985.4
5°	1005.3	989.8	991.6	986.3	986.8
7.5°	1001.7	985.9	988.1	987.2	989.4
10°	997.8	981.0	989.4	996.9	1003.5
12.5°	990.7	975.8	996.0	1018.0	1031.7
15°	984.1	970.9	1008.8	1046.2	1058.9
17.5°	977.5	969.2	1024.6	1057.2	1055.4
20°	969.2	968.3	1036.5	1025.5	998.6
22.5°	959.9	968.7	1027.3	946.7	893.9
25°	949.4	967.8	986.3	834.9	766.7
27.5°	938.8	963.9	911.9	712.6	645.2
30°	928.2	953.3	811.6	600.8	539.6
32.5°	915.9	930.4	702.4	501.7	445.4
35°	903.1	888.6	599.0	412.4	358.7
37.5°	889.9	828.3	506.1	334.1	299.7
40°	874.1	752.6	420.8	286.5	295.8
42.5°	854.3	667.2	345.5	300.6	364.9
45°	829.2	578.3	292.2	372.8	448.9
47.5°	797.5	492.9	279.0	426.9	450.7
50°	759.2	414.6	306.8	409.3	407.6
52.5°	701.1	349.5	334.9	373.2	387.3
55°	637.7	296.6	331.0	356.1	381.2
57.5°	557.6	261.0	303.7	352.5	381.6
60°	478.0	237.2	280.4	352.1	379.4
62.5°	390.0	215.7	268.5	343.7	360.0
65°	307.6	192.3	257.9	313.4	320.9
67.5°	235.9	168.6	239.4	279.5	294.4
70°	177.8	145.2	210.4	253.5	272.0
72.5°	128.1	123.2	180.5	230.6	250.0
75°	90.7	102.5	154.5	204.7	218.3
77.5°	62.5	83.6	132.5	176.1	187.1
80°	40.9	66.9	112.7	151.4	158.9
82.5°	24.6	53.7	97.7	132.5	136.4
85°	12.8	43.6	87.6	119.3	121.0
87.5°	4.0	36.5	81.9	113.1	115.3
90°	0.4	32.6	78.3	92.9	85.8
92.5°	0.0	30.8	67.8	63.4	56.8
95°	0.0	30.4	54.1	48.0	45.3
97.5°	0.0	29.5	44.5	40.1	38.7
100°	0.0	28.6	38.3	35.2	34.8
102.5°	0.0	28.2	34.8	32.1	31.7
105°	0.0	27.3	33.4	30.4	29.9
107.5°	0.0	26.0	32.6	29.5	28.6
110°	0.0	24.6	32.6	29.0	27.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.3	32.6	28.6	27.3
115°	0.0	22.4	32.1	28.6	27.3
117.5°	0.4	21.6	31.7	28.6	27.3
120°	0.0	20.7	30.8	28.6	26.8
122.5°	0.4	19.4	29.9	28.2	26.8
125°	0.4	18.0	28.6	27.7	26.4
127.5°	0.4	16.7	27.3	26.8	25.5
130°	0.4	15.4	26.0	26.4	25.1
132.5°	0.4	14.1	24.2	25.5	24.6
135°	0.4	12.8	22.9	25.1	24.2
137.5°	0.4	11.4	21.1	23.8	23.8
140°	0.4	10.1	19.4	22.9	23.3
142.5°	0.4	9.2	17.6	22.0	22.4
145°	0.4	7.9	15.8	20.2	21.6
147.5°	0.4	7.0	14.1	18.5	20.2
150°	0.4	6.2	12.3	16.7	18.5
152.5°	0.4	5.3	11.0	14.5	17.2
155°	0.9	4.8	9.7	12.8	15.4
157.5°	0.9	4.0	7.9	11.0	13.2
160°	0.9	3.5	7.0	9.2	11.9
162.5°	0.9	3.1	5.7	7.9	10.1
165°	0.9	2.6	4.8	6.2	8.4
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)