

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: **8SNLED-LD5-136SL-SLN-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 (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-136SL-SLN-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

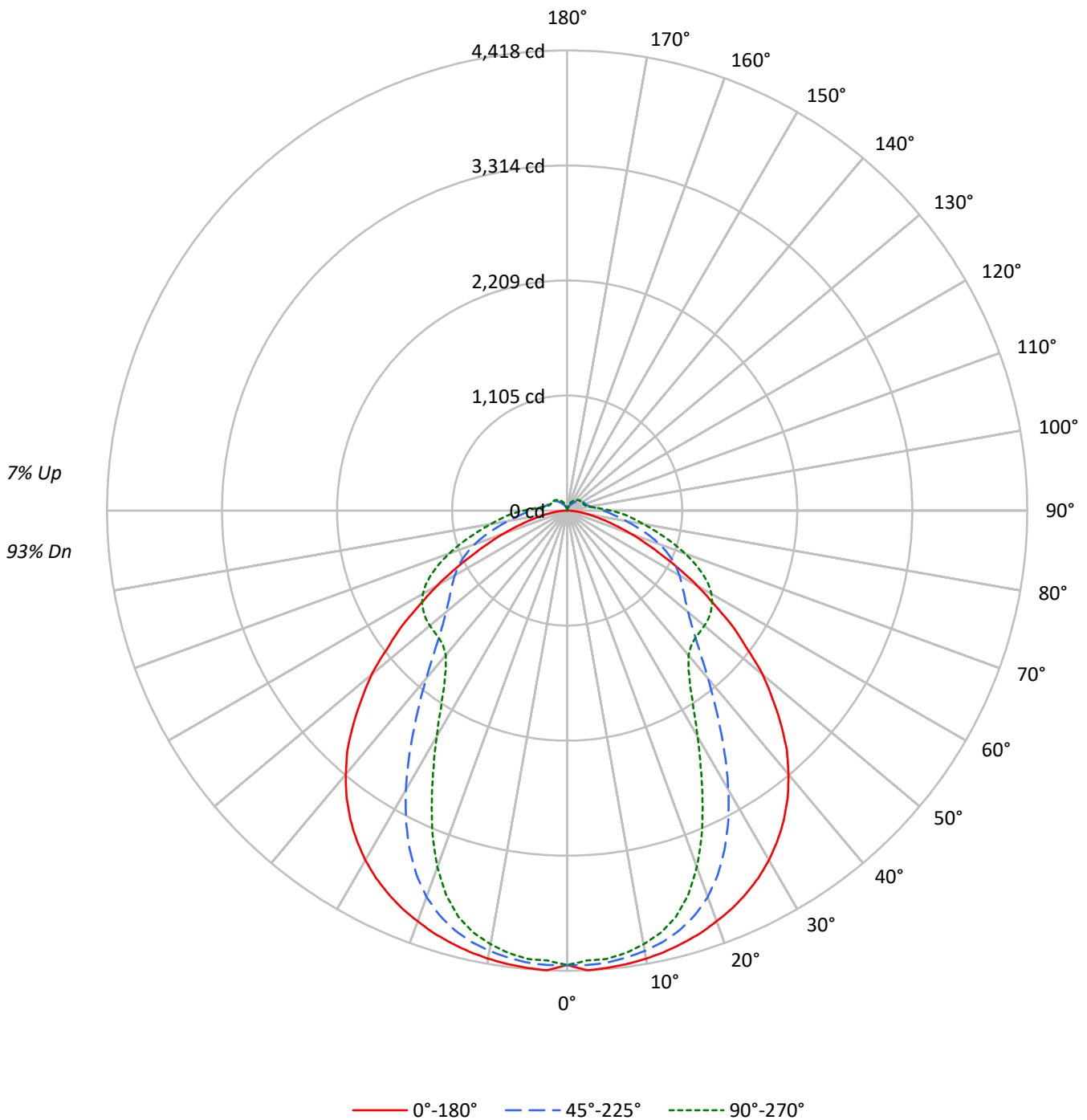
Lumens per Lamp: N/A
Luminaire Lumens: 10971.0 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 110
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17627	17627	17627
5°	17854	17254	16968
10°	17873	16792	16270
15°	17904	16244	15341
20°	17939	15421	13778
25°	17974	14143	11668
30°	17919	12456	9596
35°	17696	10609	8042
40°	17214	8994	7270
45°	16341	7825	7215
50°	15139	7162	7468
55°	13378	6894	7730
60°	11337	6806	7836
65°	9173	6668	7592
70°	7431	6339	7002
75°	5678	5754	6213
80°	4296	5188	5527
85°	3056	4922	5084



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.7	3.8
10°-20°	1166.6	10.6
20°-30°	1630.8	14.9
30°-40°	1691.5	15.4
40°-50°	1562.7	14.2
50°-60°	1395.2	12.7
60°-70°	1130.7	10.3
70°-80°	752.1	6.9
80°-90°	430.7	3.9
90°-100°	238.3	2.2
100°-110°	161.4	1.5
110°-120°	134.3	1.2
120°-130°	109.2	1.0
130°-140°	78.8	0.7
140°-150°	47.5	0.4
150°-160°	22.8	0.2
160°-170°	5.9	0.1
170°-180°	0.0	0.0
0°-30°	3210.1	29.3
0°-40°	4901.6	44.7
0°-60°	7859.4	71.6
0°-90°	10172.8	92.7
90°-120°	533.9	4.9
90°-150°	769.4	7.0
90°-180°	798.0	7.3
0°-180°	10971.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4362	4362	4362	4362	4362	
5°	4408	4334	4357	4326	4321	419
15°	4298	4207	4171	4076	4036	1214
25°	4061	3881	3581	3206	3075	1871
35°	3627	3229	2567	2156	2059	2263
45°	2904	2302	1748	1686	1737	2233
55°	1941	1467	1365	1587	1686	1726
65°	992	887	1111	1361	1433	1002
75°	385	482	749	918	956	422
85°	78	224	442	565	580	89
90°	4	157	349	421	417	6
95°	4	133	277	296	286	3
105°	2	116	199	193	184	2
115°	2	104	176	174	169	2
125°	2	89	156	163	159	2
135°	4	66	123	144	144	3
145°	4	42	85	112	119	2
155°	4	26	53	70	85	2
165°	4	15	26	34	46	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4362.5	4362.5	4362.5	4362.5	4362.5
2.5°	4417.5	4345.4	4368.2	4349.2	4324.6
5°	4408.0	4334.1	4356.8	4326.5	4320.8
7.5°	4390.9	4317.0	4330.3	4294.3	4284.8
10°	4368.2	4290.5	4292.4	4241.2	4227.9
12.5°	4337.9	4252.5	4241.2	4171.0	4152.1
15°	4298.0	4207.0	4171.0	4076.2	4036.4
17.5°	4254.4	4148.3	4074.3	3928.3	3865.8
20°	4195.7	4076.2	3947.3	3725.5	3642.1
22.5°	4136.9	3989.0	3782.4	3486.6	3374.7
25°	4061.1	3880.9	3581.4	3206.0	3075.2
27.5°	3975.7	3753.9	3350.1	2917.8	2777.5
30°	3875.3	3600.3	3096.0	2635.3	2502.6
32.5°	3757.7	3427.8	2828.7	2381.3	2258.0
35°	3626.9	3228.7	2567.1	2155.7	2059.0
37.5°	3477.1	3010.7	2324.4	1973.7	1911.1
40°	3306.5	2773.7	2100.7	1833.4	1812.5
42.5°	3122.6	2542.4	1909.2	1742.3	1761.3
45°	2904.5	2301.6	1748.0	1685.5	1736.7
47.5°	2675.1	2066.6	1617.2	1653.2	1727.2
50°	2453.3	1848.5	1514.8	1632.4	1719.6
52.5°	2178.4	1653.2	1433.3	1613.4	1708.2
55°	1941.4	1467.4	1365.1	1586.9	1685.5
57.5°	1668.4	1300.6	1304.4	1552.8	1651.3
60°	1440.9	1148.9	1245.6	1505.4	1600.2
62.5°	1209.6	1012.4	1181.2	1442.8	1528.1
65°	991.6	887.3	1111.0	1361.3	1433.3
67.5°	809.6	773.5	1031.4	1262.7	1323.4
70°	656.0	669.3	944.2	1152.7	1203.9
72.5°	504.3	572.6	849.4	1035.2	1078.8
75°	384.9	481.6	748.9	917.6	955.5
77.5°	284.4	401.9	657.9	811.5	843.7
80°	201.0	331.8	572.6	718.6	743.2
82.5°	134.6	273.0	502.4	635.1	657.9
85°	77.7	223.7	441.7	565.0	580.2
87.5°	32.2	185.8	392.5	492.9	500.5
90°	3.8	157.4	348.8	420.9	417.1
92.5°	3.8	142.2	310.9	352.6	343.2
95°	3.8	132.7	276.8	295.8	286.3
97.5°	3.8	127.0	246.5	254.1	244.6
100°	1.9	123.2	225.6	225.6	216.1
102.5°	1.9	119.4	210.4	204.8	197.2
105°	1.9	115.7	199.1	193.4	183.9
107.5°	1.9	113.8	191.5	185.8	176.3
110°	1.9	110.0	185.8	180.1	172.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	108.1	182.0	178.2	168.7
115°	1.9	104.3	176.3	174.4	168.7
117.5°	1.9	100.5	172.5	172.5	166.8
120°	1.9	96.7	166.8	170.6	164.9
122.5°	1.9	92.9	161.2	166.8	161.2
125°	1.9	89.1	155.5	163.0	159.3
127.5°	3.8	83.4	147.9	159.3	155.5
130°	1.9	77.7	140.3	155.5	153.6
132.5°	3.8	72.0	132.7	149.8	149.8
135°	3.8	66.4	123.2	144.1	144.1
137.5°	3.8	58.8	113.8	136.5	138.4
140°	3.8	53.1	104.3	128.9	132.7
142.5°	3.8	47.4	94.8	121.3	127.0
145°	3.8	41.7	85.3	111.9	119.4
147.5°	3.8	37.9	75.8	100.5	111.9
150°	3.8	32.2	68.3	91.0	102.4
152.5°	3.8	28.4	60.7	81.5	94.8
155°	3.8	26.5	53.1	70.1	85.3
157.5°	3.8	22.8	45.5	60.7	75.8
160°	3.8	19.0	37.9	53.1	64.5
162.5°	3.8	17.1	32.2	43.6	56.9
165°	3.8	15.2	26.5	34.1	45.5
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)