

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-LD5-170HL-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-LD5-170HL-SLN-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

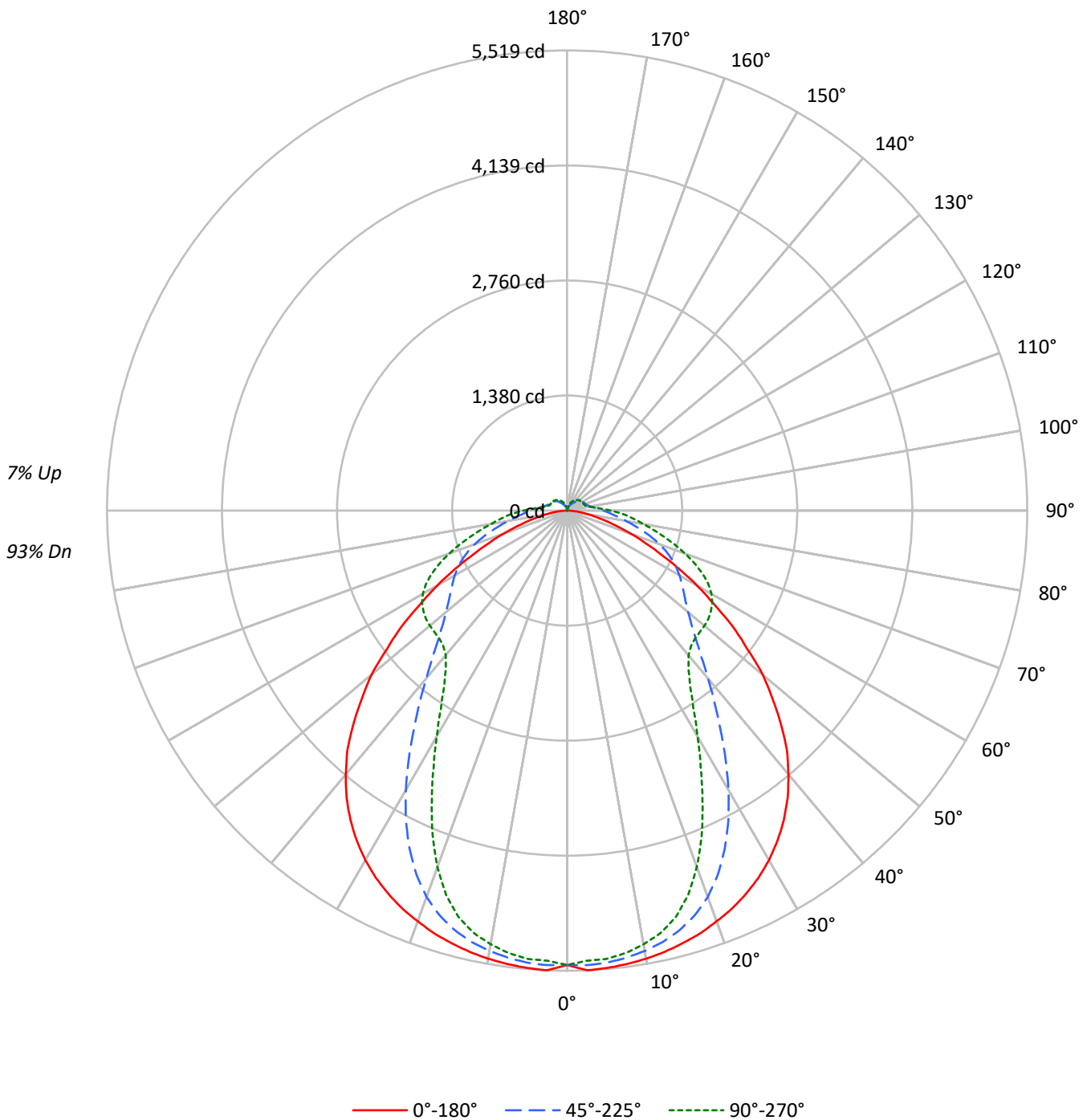
Lumens per Lamp: N/A
Luminaire Lumens: 13706.0 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 124
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°	22021	22021	22021
5°	22305	21555	21197
10°	22329	20978	20325
15°	22367	20294	19166
20°	22410	19265	17213
25°	22455	17669	14576
30°	22386	15562	11989
35°	22108	13253	10047
40°	21506	11236	9082
45°	20415	9776	9014
50°	18914	8948	9330
55°	16713	8613	9656
60°	14163	8503	9790
65°	11460	8331	9484
70°	9283	7919	8747
75°	7092	7189	7762
80°	5367	6481	6905
85°	3819	6150	6351



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	515.6	3.8
10°-20°	1457.4	10.6
20°-30°	2037.3	14.9
30°-40°	2113.2	15.4
40°-50°	1952.2	14.2
50°-60°	1743.0	12.7
60°-70°	1412.6	10.3
70°-80°	939.5	6.9
80°-90°	538.0	3.9
90°-100°	297.6	2.2
100°-110°	201.6	1.5
110°-120°	167.8	1.2
120°-130°	136.4	1.0
130°-140°	98.4	0.7
140°-150°	59.3	0.4
150°-160°	28.5	0.2
160°-170°	7.4	0.1
170°-180°	0.0	0.0
0°-30°	4010.3	29.3
0°-40°	6123.5	44.7
0°-60°	9818.7	71.6
0°-90°	12708.9	92.7
90°-120°	667.0	4.9
90°-150°	961.2	7.0
90°-180°	997.0	7.3
0°-180°	13706.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5450	5450	5450	5450	5450	
5°	5507	5414	5443	5405	5398	524
15°	5370	5256	5211	5092	5043	1517
25°	5074	4848	4474	4005	3842	2338
35°	4531	4034	3207	2693	2572	2827
45°	3629	2875	2184	2106	2170	2790
55°	2425	1833	1705	1982	2106	2157
65°	1239	1108	1388	1701	1791	1252
75°	481	602	936	1146	1194	527
85°	97	280	552	706	725	112
90°	5	197	436	526	521	7
95°	5	166	346	370	358	4
105°	2	144	249	242	230	3
115°	2	130	220	218	211	2
125°	2	111	194	204	199	3
135°	5	83	154	180	180	3
145°	5	52	107	140	149	3
155°	5	33	66	88	107	2
165°	5	19	33	43	57	1
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°	5450.1	5450.1	5450.1	5450.1	5450.1
2.5°	5518.7	5428.7	5457.2	5433.5	5402.7
5°	5506.9	5414.5	5442.9	5405.1	5397.9
7.5°	5485.6	5393.2	5409.8	5364.8	5352.9
10°	5457.2	5360.0	5362.4	5298.5	5281.9
12.5°	5419.3	5312.7	5298.5	5210.8	5187.1
15°	5369.5	5255.8	5210.8	5092.4	5042.7
17.5°	5315.0	5182.4	5090.0	4907.7	4829.5
20°	5241.6	5092.4	4931.3	4654.2	4550.0
22.5°	5168.2	4983.4	4725.3	4355.8	4216.0
25°	5073.5	4848.4	4474.2	4005.2	3841.8
27.5°	4966.9	4689.7	4185.2	3645.2	3469.9
30°	4841.3	4497.9	3867.9	3292.3	3126.5
32.5°	4694.5	4282.4	3533.9	2974.9	2821.0
35°	4531.1	4033.7	3207.0	2693.1	2572.3
37.5°	4343.9	3761.3	2903.9	2465.7	2387.5
40°	4130.8	3465.2	2624.4	2290.4	2264.3
42.5°	3901.0	3176.2	2385.1	2176.7	2200.4
45°	3628.6	2875.4	2183.8	2105.6	2169.6
47.5°	3342.0	2581.7	2020.4	2065.4	2157.8
50°	3064.9	2309.3	1892.5	2039.3	2148.3
52.5°	2721.5	2065.4	1790.6	2015.6	2134.1
55°	2425.4	1833.3	1705.4	1982.5	2105.6
57.5°	2084.3	1624.8	1629.6	1939.8	2063.0
60°	1800.1	1435.3	1556.1	1880.6	1999.1
62.5°	1511.1	1264.8	1475.6	1802.5	1909.1
65°	1238.8	1108.5	1388.0	1700.6	1790.6
67.5°	1011.4	966.4	1288.5	1577.5	1653.3
70°	819.5	836.1	1179.5	1440.1	1504.0
72.5°	630.0	715.3	1061.1	1293.2	1347.7
75°	480.8	601.6	935.6	1146.4	1193.8
77.5°	355.3	502.1	821.9	1013.7	1054.0
80°	251.1	414.5	715.3	897.7	928.5
82.5°	168.2	341.1	627.7	793.5	821.9
85°	97.1	279.5	551.9	705.8	724.8
87.5°	40.3	232.1	490.3	615.8	625.3
90°	4.7	196.6	435.8	525.8	521.1
92.5°	4.7	177.6	388.4	440.6	428.7
95°	4.7	165.8	345.8	369.5	357.7
97.5°	4.7	158.7	307.9	317.4	305.5
100°	2.4	154.0	281.9	281.9	270.0
102.5°	2.4	149.2	262.9	255.8	246.3
105°	2.4	144.5	248.7	241.6	229.8
107.5°	2.4	142.1	239.2	232.1	220.3
110°	2.4	137.4	232.1	225.0	215.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	135.0	227.4	222.6	210.8
115°	2.4	130.3	220.3	217.9	210.8
117.5°	2.4	125.5	215.5	215.5	208.4
120°	2.4	120.8	208.4	213.2	206.1
122.5°	2.4	116.1	201.3	208.4	201.3
125°	2.4	111.3	194.2	203.7	199.0
127.5°	4.7	104.2	184.7	199.0	194.2
130°	2.4	97.1	175.3	194.2	191.9
132.5°	4.7	90.0	165.8	187.1	187.1
135°	4.7	82.9	154.0	180.0	180.0
137.5°	4.7	73.4	142.1	170.5	172.9
140°	4.7	66.3	130.3	161.1	165.8
142.5°	4.7	59.2	118.4	151.6	158.7
145°	4.7	52.1	106.6	139.7	149.2
147.5°	4.7	47.4	94.7	125.5	139.7
150°	4.7	40.3	85.3	113.7	127.9
152.5°	4.7	35.5	75.8	101.8	118.4
155°	4.7	33.2	66.3	87.6	106.6
157.5°	4.7	28.4	56.8	75.8	94.7
160°	4.7	23.7	47.4	66.3	80.5
162.5°	4.7	21.3	40.3	54.5	71.1
165°	4.7	18.9	33.2	42.6	56.8
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)