

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-LD5-200HL-SLN-UNV-L930-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-LD5-200HL-SLN-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

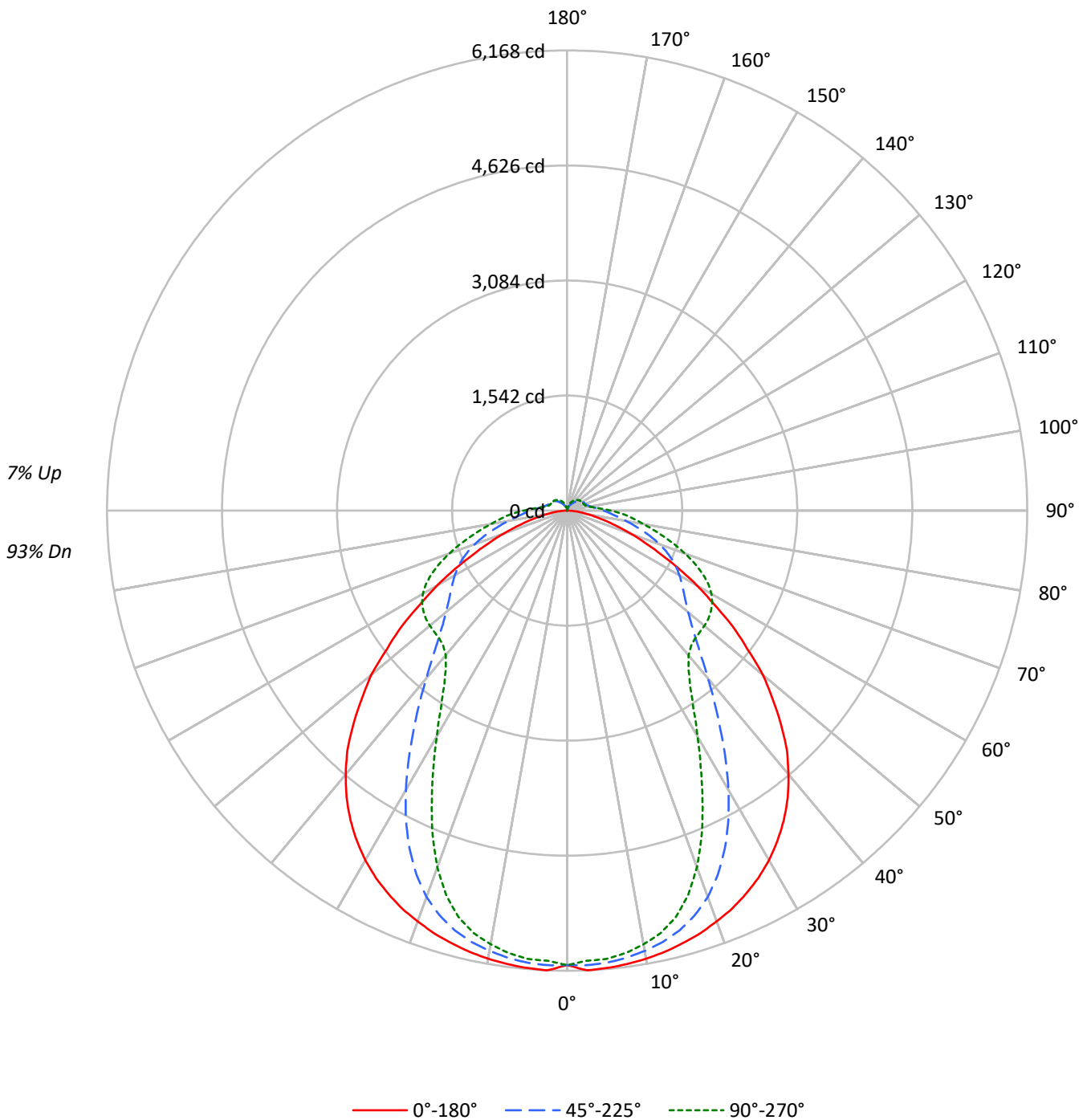
Lumens per Lamp: N/A
Luminaire Lumens: 15319.0 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 158
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°	24612	24612	24612
5°	24930	24092	23692
10°	24956	23447	22717
15°	24999	22682	21421
20°	25048	21532	19238
25°	25097	19749	16291
30°	25020	17393	13399
35°	24710	14813	11230
40°	24037	12558	10151
45°	22818	10926	10075
50°	21139	10001	10428
55°	18679	9626	10793
60°	15831	9504	10942
65°	12808	9311	10601
70°	10376	8851	9776
75°	7927	8034	8675
80°	5998	7244	7717
85°	4268	6873	7099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.3	3.8
10°-20°	1628.9	10.6
20°-30°	2277.1	14.9
30°-40°	2361.9	15.4
40°-50°	2182.0	14.2
50°-60°	1948.1	12.7
60°-70°	1578.8	10.3
70°-80°	1050.1	6.9
80°-90°	601.3	3.9
90°-100°	332.7	2.2
100°-110°	225.3	1.5
110°-120°	187.6	1.2
120°-130°	152.5	1.0
130°-140°	110.0	0.7
140°-150°	66.3	0.4
150°-160°	31.9	0.2
160°-170°	8.3	0.1
170°-180°	0.0	0.0
0°-30°	4482.3	29.3
0°-40°	6844.2	44.7
0°-60°	10974.3	71.6
0°-90°	14204.5	92.7
90°-120°	745.5	4.9
90°-150°	1074.3	7.0
90°-180°	1114.0	7.3
0°-180°	15319.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6091	6091	6091	6091	6091	
5°	6155	6052	6084	6041	6033	585
15°	6001	5874	5824	5692	5636	1696
25°	5670	5419	5001	4477	4294	2613
35°	5064	4508	3584	3010	2875	3160
45°	4056	3214	2441	2354	2425	3118
55°	2711	2049	1906	2216	2354	2410
65°	1384	1239	1551	1901	2001	1400
75°	537	672	1046	1281	1334	589
85°	108	312	617	789	810	125
90°	5	220	487	588	582	8
95°	5	185	386	413	400	4
105°	3	162	278	270	257	3
115°	3	146	246	244	236	3
125°	3	124	217	228	222	3
135°	5	93	172	201	201	4
145°	5	58	119	156	167	3
155°	5	37	74	98	119	2
165°	5	21	37	48	64	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°	6091.4	6091.4	6091.4	6091.4	6091.4
2.5°	6168.2	6067.6	6099.4	6072.9	6038.5
5°	6155.0	6051.7	6083.5	6041.1	6033.2
7.5°	6131.2	6027.9	6046.4	5996.1	5982.9
10°	6099.4	5990.8	5993.5	5922.0	5903.5
12.5°	6057.0	5937.9	5922.0	5824.1	5797.6
15°	6001.4	5874.4	5824.1	5691.7	5636.1
17.5°	5940.6	5792.3	5689.1	5485.2	5397.9
20°	5858.5	5691.7	5511.7	5202.0	5085.5
22.5°	5776.4	5569.9	5281.4	4868.4	4712.2
25°	5670.5	5419.0	5000.8	4476.6	4293.9
27.5°	5551.4	5241.7	4677.8	4074.2	3878.3
30°	5411.1	5027.2	4323.0	3679.8	3494.4
32.5°	5247.0	4786.3	3949.8	3325.0	3152.9
35°	5064.3	4508.4	3584.5	3010.0	2875.0
37.5°	4855.2	4203.9	3245.6	2755.8	2668.5
40°	4616.9	3873.0	2933.2	2559.9	2530.8
42.5°	4360.1	3550.0	2665.8	2432.9	2459.3
45°	4055.7	3213.8	2440.8	2353.5	2424.9
47.5°	3735.3	2885.6	2258.2	2308.4	2411.7
50°	3425.6	2581.1	2115.2	2279.3	2401.1
52.5°	3041.8	2308.4	2001.4	2252.9	2385.2
55°	2710.8	2049.0	1906.1	2215.8	2353.5
57.5°	2329.6	1816.1	1821.3	2168.1	2305.8
60°	2012.0	1604.3	1739.3	2102.0	2234.3
62.5°	1689.0	1413.7	1649.3	2014.6	2133.7
65°	1384.5	1238.9	1551.3	1900.8	2001.4
67.5°	1130.4	1080.1	1440.1	1763.1	1847.8
70°	916.0	934.5	1318.4	1609.6	1681.0
72.5°	704.2	799.5	1186.0	1445.4	1506.3
75°	537.4	672.4	1045.7	1281.3	1334.2
77.5°	397.1	561.2	918.6	1133.0	1178.1
80°	280.6	463.3	799.5	1003.3	1037.7
82.5°	188.0	381.2	701.5	886.8	918.6
85°	108.5	312.4	616.8	788.9	810.1
87.5°	45.0	259.4	548.0	688.3	698.9
90°	5.3	219.7	487.1	587.7	582.4
92.5°	5.3	198.5	434.2	492.4	479.2
95°	5.3	185.3	386.5	413.0	399.7
97.5°	5.3	177.4	344.1	354.7	341.5
100°	2.6	172.1	315.0	315.0	301.8
102.5°	2.6	166.8	293.9	285.9	275.3
105°	2.6	161.5	278.0	270.0	256.8
107.5°	2.6	158.8	267.4	259.4	246.2
110°	2.6	153.5	259.4	251.5	240.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	150.9	254.1	248.8	235.6
115°	2.6	145.6	246.2	243.6	235.6
117.5°	2.6	140.3	240.9	240.9	233.0
120°	2.6	135.0	233.0	238.3	230.3
122.5°	2.6	129.7	225.0	233.0	225.0
125°	2.6	124.4	217.1	227.7	222.4
127.5°	5.3	116.5	206.5	222.4	217.1
130°	2.6	108.5	195.9	217.1	214.4
132.5°	5.3	100.6	185.3	209.1	209.1
135°	5.3	92.7	172.1	201.2	201.2
137.5°	5.3	82.1	158.8	190.6	193.3
140°	5.3	74.1	145.6	180.0	185.3
142.5°	5.3	66.2	132.4	169.4	177.4
145°	5.3	58.2	119.1	156.2	166.8
147.5°	5.3	52.9	105.9	140.3	156.2
150°	5.3	45.0	95.3	127.1	143.0
152.5°	5.3	39.7	84.7	113.8	132.4
155°	5.3	37.1	74.1	98.0	119.1
157.5°	5.3	31.8	63.5	84.7	105.9
160°	5.3	26.5	52.9	74.1	90.0
162.5°	5.3	23.8	45.0	60.9	79.4
165°	5.3	21.2	37.1	47.7	63.5
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)