

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-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 (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-200HL-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

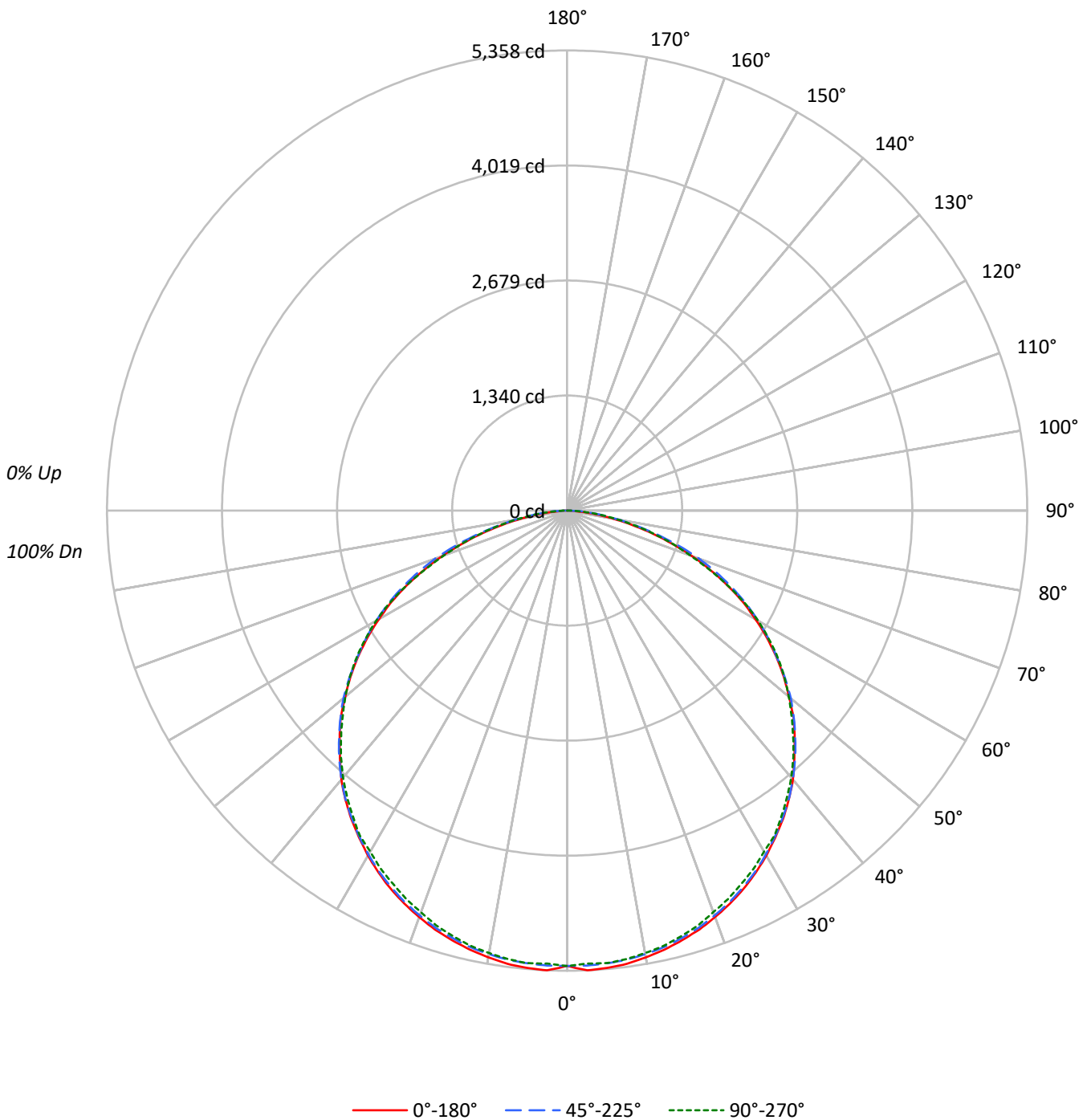
Lumens per Lamp: N/A
Luminaire Lumens: 15907.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21425	21425	21425
5°	21649	20957	20771
10°	21610	20517	20130
15°	21570	20074	19500
20°	21540	19599	18828
25°	21512	19121	18200
30°	21446	18608	17582
35°	21378	18073	16989
40°	21295	17500	16279
45°	21076	16816	15464
50°	20813	16072	14636
55°	20486	15068	13743
60°	19913	14047	12575
65°	19053	12712	10937
70°	17513	10949	8868
75°	15074	8380	6816
80°	11544	5541	4469
85°	6353	2715	1995



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.3	3.2
10°-20°	1451.4	9.1
20°-30°	2221.7	14.0
30°-40°	2722.1	17.1
40°-50°	2879.2	18.1
50°-60°	2657.6	16.7
60°-70°	2051.2	12.9
70°-80°	1138.5	7.2
80°-90°	282.0	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4176.4	26.3
0°-40°	6898.5	43.4
0°-60°	12435.2	78.2
0°-90°	15907.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15907.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5303	5303	5303	5303	5303	
5°	5345	5276	5292	5279	5289	508
15°	5178	5117	5154	5136	5131	1463
25°	4860	4802	4842	4800	4797	2240
35°	4381	4334	4373	4326	4350	2741
45°	3746	3712	3757	3717	3722	2891
55°	2973	2949	2984	2981	2997	2653
65°	2060	2038	2118	2105	2065	2031
75°	1022	1083	1091	1088	1048	1084
85°	162	238	244	246	228	217
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5302.6	5302.6	5302.6	5302.6	5302.6
2.5°	5358.2	5289.4	5302.6	5294.7	5278.8
5°	5345.0	5276.2	5292.0	5278.8	5289.4
7.5°	5323.8	5249.7	5276.2	5257.6	5268.2
10°	5281.5	5217.9	5244.4	5223.2	5231.2
12.5°	5236.5	5170.3	5207.3	5180.9	5191.4
15°	5178.2	5117.3	5154.4	5135.9	5130.6
17.5°	5114.7	5056.4	5093.5	5072.3	5064.4
20°	5037.9	4982.3	5016.7	4985.0	4977.0
22.5°	4953.2	4897.6	4937.3	4892.3	4894.9
25°	4860.5	4802.3	4842.0	4799.6	4797.0
27.5°	4754.6	4699.0	4741.4	4696.4	4701.7
30°	4638.2	4582.6	4624.9	4579.9	4585.2
32.5°	4511.1	4466.1	4503.1	4460.8	4489.9
35°	4381.4	4333.7	4373.4	4325.8	4349.6
37.5°	4241.1	4196.0	4238.4	4185.5	4206.6
40°	4090.2	4050.4	4087.5	4039.9	4058.4
42.5°	3915.4	3891.6	3928.7	3881.0	3896.9
45°	3746.0	3711.6	3756.6	3716.9	3722.2
47.5°	3576.6	3539.5	3581.9	3547.4	3544.8
50°	3372.7	3359.5	3399.2	3372.7	3370.1
52.5°	3179.5	3153.0	3195.3	3182.1	3190.1
55°	2973.0	2949.1	2983.6	2980.9	2996.8
57.5°	2758.5	2734.7	2779.7	2774.4	2787.7
60°	2530.9	2512.3	2570.6	2557.3	2567.9
62.5°	2308.5	2274.1	2348.2	2337.6	2332.3
65°	2059.6	2038.5	2117.9	2104.6	2064.9
67.5°	1802.8	1794.9	1877.0	1850.5	1784.3
70°	1546.1	1551.3	1630.8	1580.5	1524.9
72.5°	1276.0	1315.7	1363.4	1326.3	1286.6
75°	1021.9	1082.8	1090.7	1088.1	1048.3
77.5°	773.0	849.8	831.3	849.8	818.0
80°	540.1	624.8	611.5	627.4	600.9
82.5°	333.6	410.3	413.0	423.6	399.7
85°	161.5	238.3	243.6	246.2	227.7
87.5°	34.4	111.2	113.8	105.9	92.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)