

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-L950-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-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

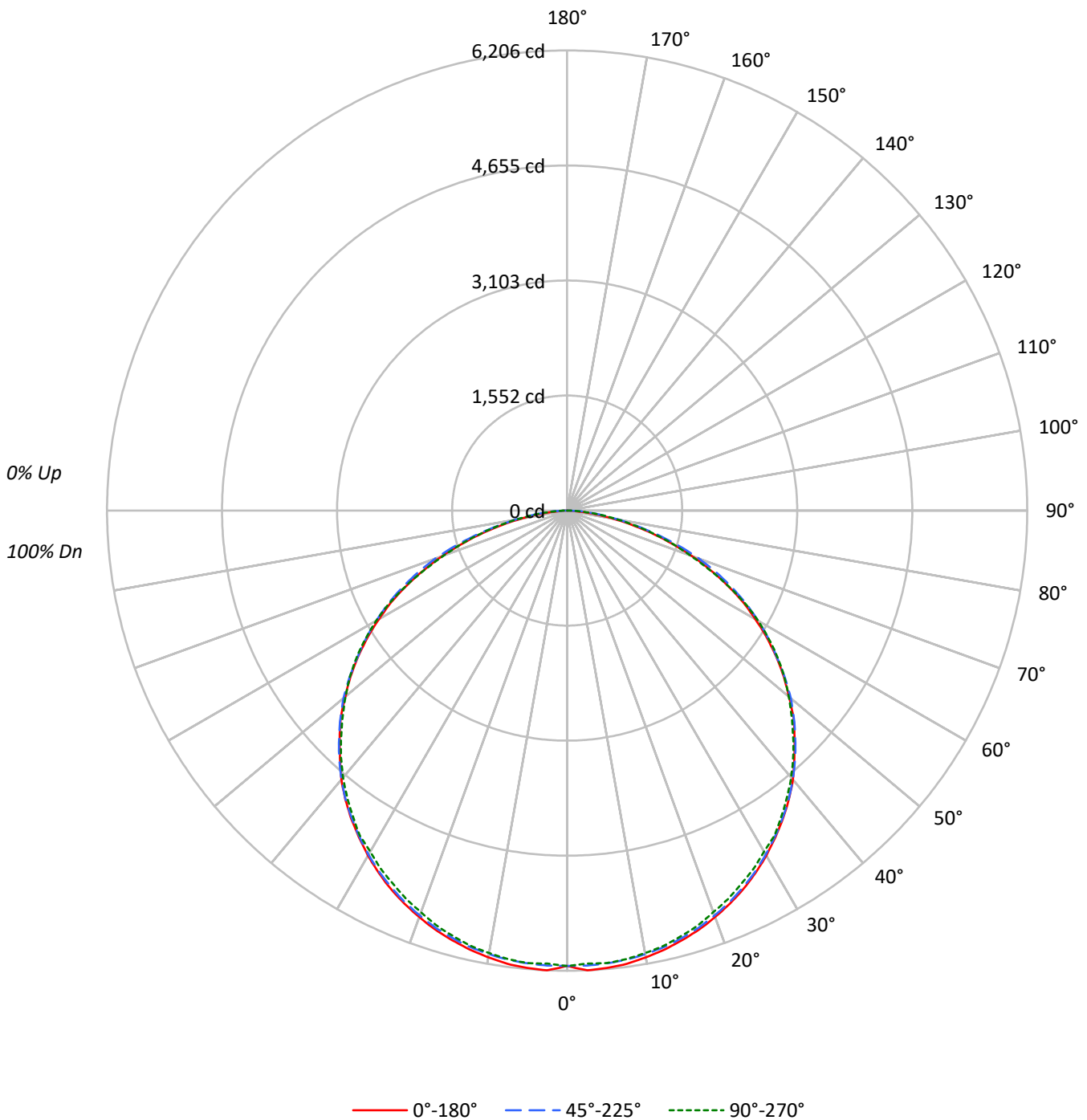
Lumens per Lamp: N/A
Luminaire Lumens: 18424.0 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24816	24816	24816
5°	25075	24273	24058
10°	25029	23763	23315
15°	24984	23250	22586
20°	24948	22700	21807
25°	24916	22147	21080
30°	24840	21552	20364
35°	24760	20933	19677
40°	24664	20269	18855
45°	24411	19477	17911
50°	24106	18615	16952
55°	23727	17452	15918
60°	23064	16269	14565
65°	22068	14723	12668
70°	20284	12681	10272
75°	17459	9706	7895
80°	13370	6418	5176
85°	7356	3144	2311



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.9	3.2
10°-20°	1681.0	9.1
20°-30°	2573.3	14.0
30°-40°	3152.8	17.1
40°-50°	3334.7	18.1
50°-60°	3078.1	16.7
60°-70°	2375.8	12.9
70°-80°	1318.7	7.2
80°-90°	326.6	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°	4837.2	26.3
0°-40°	7990.0	43.4
0°-60°	14402.9	78.2
0°-90°	18424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6142	6142	6142	6142	6142	
5°	6191	6111	6129	6114	6126	589
15°	5998	5927	5970	5948	5942	1694
25°	5630	5562	5608	5559	5556	2595
35°	5075	5019	5065	5010	5038	3175
45°	4339	4299	4351	4305	4311	3348
55°	3443	3416	3456	3453	3471	3073
65°	2386	2361	2453	2438	2392	2352
75°	1184	1254	1263	1260	1214	1256
85°	187	276	282	285	264	252
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6141.7	6141.7	6141.7	6141.7	6141.7
2.5°	6206.1	6126.4	6141.7	6132.5	6114.1
5°	6190.7	6111.0	6129.4	6114.1	6126.4
7.5°	6166.2	6080.4	6111.0	6089.6	6101.8
10°	6117.2	6043.6	6074.2	6049.7	6058.9
12.5°	6065.0	5988.4	6031.3	6000.6	6012.9
15°	5997.6	5927.0	5970.0	5948.5	5942.4
17.5°	5924.0	5856.5	5899.5	5874.9	5865.7
20°	5835.1	5770.7	5810.5	5773.7	5764.5
22.5°	5736.9	5672.6	5718.5	5666.4	5669.5
25°	5629.6	5562.2	5608.2	5559.1	5556.0
27.5°	5507.0	5442.6	5491.6	5439.5	5445.6
30°	5372.1	5307.7	5356.7	5304.6	5310.7
32.5°	5224.9	5172.8	5215.7	5166.6	5200.3
35°	5074.6	5019.4	5065.4	5010.2	5037.8
37.5°	4912.1	4860.0	4909.1	4847.7	4872.3
40°	4737.3	4691.4	4734.3	4679.1	4700.6
42.5°	4535.0	4507.4	4550.3	4495.1	4513.5
45°	4338.7	4298.9	4351.0	4305.0	4311.1
47.5°	4142.5	4099.6	4148.6	4108.8	4105.7
50°	3906.4	3891.1	3937.1	3906.4	3903.3
52.5°	3682.6	3651.9	3701.0	3685.6	3694.8
55°	3443.4	3415.8	3455.7	3452.6	3471.0
57.5°	3195.0	3167.4	3219.6	3213.4	3228.8
60°	2931.3	2909.9	2977.3	2962.0	2974.3
62.5°	2673.8	2633.9	2719.8	2707.5	2701.4
65°	2385.5	2361.0	2453.0	2437.7	2391.7
67.5°	2088.1	2078.9	2174.0	2143.3	2066.6
70°	1790.7	1796.8	1888.8	1830.5	1766.2
72.5°	1477.9	1523.9	1579.1	1536.2	1490.2
75°	1183.6	1254.1	1263.3	1260.2	1214.2
77.5°	895.3	984.3	962.8	984.3	947.5
80°	625.5	723.6	708.3	726.7	696.0
82.5°	386.3	475.3	478.3	490.6	463.0
85°	187.0	276.0	282.1	285.2	263.7
87.5°	39.9	128.8	131.8	122.6	107.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)