

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

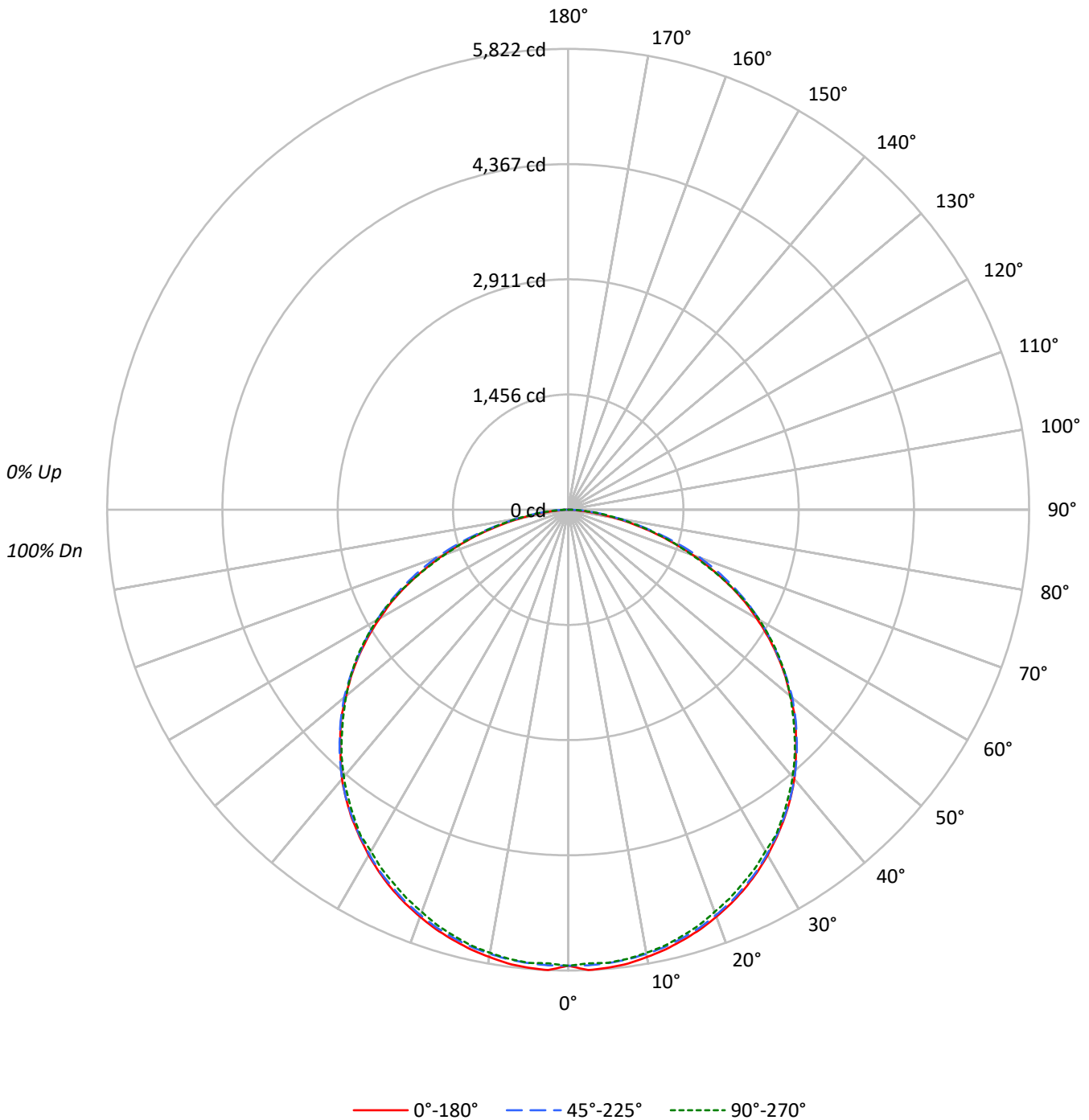
Lumens per Lamp: N/A
Luminaire Lumens: 17283.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	23279	23279	23279
5°	23522	22770	22568
10°	23479	22292	21872
15°	23436	21811	21187
20°	23403	21294	20456
25°	23373	20775	19774
30°	23302	20217	19103
35°	23227	19637	18459
40°	23137	19014	17687
45°	22899	18271	16802
50°	22614	17462	15902
55°	22257	16371	14932
60°	21636	15261	13663
65°	20701	13811	11884
70°	19028	11895	9635
75°	16378	9106	7406
80°	12542	6020	4855
85°	6903	2949	2168



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	546.8	3.2
10°-20°	1576.9	9.1
20°-30°	2413.9	14.0
30°-40°	2957.5	17.1
40°-50°	3128.2	18.1
50°-60°	2887.5	16.7
60°-70°	2228.7	12.9
70°-80°	1237.0	7.2
80°-90°	306.4	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°	4537.7	26.3
0°-40°	7495.2	43.4
0°-60°	13510.9	78.2
0°-90°	17283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17283.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5761	5761	5761	5761	5761	
5°	5807	5733	5750	5735	5747	552
15°	5626	5560	5600	5580	5574	1589
25°	5281	5218	5261	5215	5212	2434
35°	4760	4709	4752	4700	4726	2978
45°	4070	4033	4082	4038	4044	3141
55°	3230	3204	3242	3239	3256	2883
65°	2238	2215	2301	2287	2244	2207
75°	1110	1176	1185	1182	1139	1178
85°	176	259	265	268	247	236
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5761.3	5761.3	5761.3	5761.3	5761.3
2.5°	5821.7	5746.9	5761.3	5752.7	5735.4
5°	5807.4	5732.6	5749.8	5735.4	5746.9
7.5°	5784.3	5703.8	5732.6	5712.4	5723.9
10°	5738.3	5669.3	5698.1	5675.0	5683.7
12.5°	5689.4	5617.5	5657.8	5629.0	5640.5
15°	5626.1	5560.0	5600.3	5580.1	5574.4
17.5°	5557.1	5493.8	5534.1	5511.1	5502.5
20°	5473.7	5413.3	5450.7	5416.2	5407.5
22.5°	5381.7	5321.2	5364.4	5315.5	5318.4
25°	5281.0	5217.7	5260.8	5214.8	5211.9
27.5°	5165.9	5105.5	5151.5	5102.6	5108.4
30°	5039.4	4979.0	5025.0	4976.1	4981.8
32.5°	4901.3	4852.4	4892.7	4846.7	4878.3
35°	4760.4	4708.6	4751.7	4700.0	4725.8
37.5°	4607.9	4559.0	4605.0	4547.5	4570.5
40°	4444.0	4400.8	4441.1	4389.3	4409.4
42.5°	4254.1	4228.2	4268.5	4216.7	4234.0
45°	4070.0	4032.6	4081.5	4038.4	4044.1
47.5°	3886.0	3845.7	3891.7	3854.3	3851.4
50°	3664.5	3650.1	3693.2	3664.5	3661.6
52.5°	3454.5	3425.7	3471.8	3457.4	3466.0
55°	3230.1	3204.3	3241.6	3238.8	3256.0
57.5°	2997.2	2971.3	3020.2	3014.4	3028.8
60°	2749.8	2729.7	2792.9	2778.6	2790.1
62.5°	2508.2	2470.8	2551.3	2539.8	2534.1
65°	2237.8	2214.8	2301.1	2286.7	2243.6
67.5°	1958.8	1950.2	2039.3	2010.6	1938.7
70°	1679.8	1685.5	1771.8	1717.2	1656.8
72.5°	1386.4	1429.5	1481.3	1441.1	1397.9
75°	1110.3	1176.4	1185.1	1182.2	1139.0
77.5°	839.9	923.3	903.2	923.3	888.8
80°	586.8	678.8	664.4	681.7	652.9
82.5°	362.4	445.8	448.7	460.2	434.3
85°	175.5	258.9	264.6	267.5	247.4
87.5°	37.4	120.8	123.7	115.1	100.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)