

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: **4SNLED-LD5-32SL-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: 4SNLED-LD5-32SL-UNV-L940-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

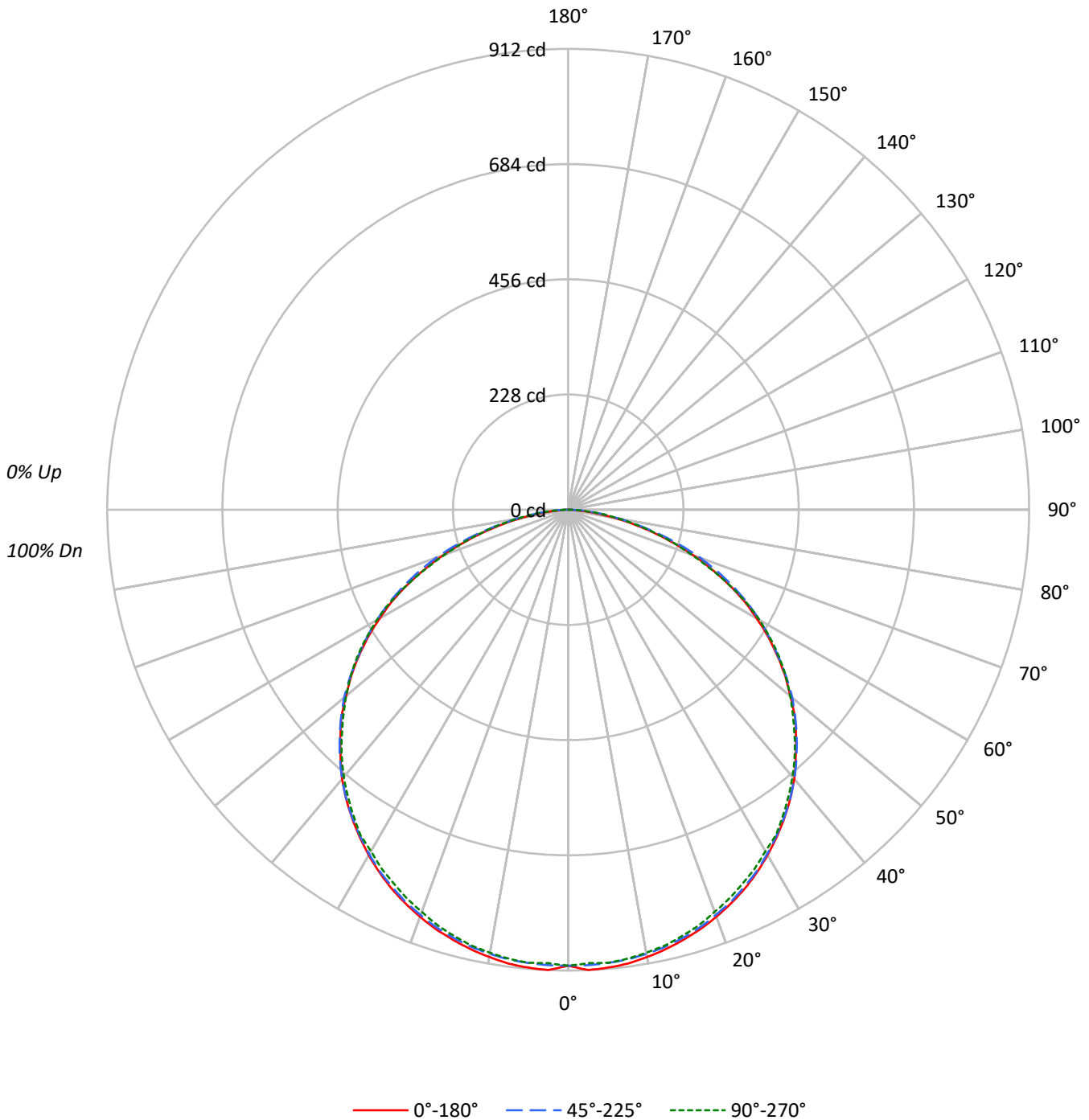
Lumens per Lamp: N/A  
Luminaire Lumens: 2707.0 lumens  
Efficiency: N/A  
Efficacy: 128.9 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	7292	7292	7292
5°	7358	7126	7069
10°	7335	6970	6851
15°	7311	6814	6637
20°	7290	6646	6408
25°	7269	6479	6194
30°	7235	6299	5984
35°	7198	6112	5782
40°	7155	5912	5540
45°	7065	5675	5263
50°	6957	5417	4981
55°	6823	5071	4678
60°	6604	4720	4280
65°	6281	4263	3723
70°	5725	3663	3018
75°	4863	2795	2320
80°	3633	1842	1522
85°	1879	896	678



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.7	3.2
10°-20°	247.0	9.1
20°-30°	378.1	14.0
30°-40°	463.2	17.1
40°-50°	490.0	18.1
50°-60°	452.3	16.7
60°-70°	349.1	12.9
70°-80°	193.8	7.2
80°-90°	48.0	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°	710.7	26.3
0°-40°	1174.0	43.4
0°-60°	2116.2	78.2
0°-90°	2707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2707.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	910	898	901	898	900	86
15°	881	871	877	874	873	249
25°	827	817	824	817	816	381
35°	746	738	744	736	740	467
45°	638	632	639	632	633	492
55°	506	502	508	507	510	452
65°	350	347	360	358	351	346
75°	174	184	186	185	178	184
85°	28	40	41	42	39	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	902.4	902.4	902.4	902.4	902.4
2.5°	911.8	900.1	902.4	901.0	898.3
5°	909.6	897.9	900.6	898.3	900.1
7.5°	906.0	893.4	897.9	894.7	896.5
10°	898.8	888.0	892.5	888.9	890.2
12.5°	891.1	879.9	886.2	881.7	883.5
15°	881.2	870.8	877.2	874.0	873.1
17.5°	870.4	860.5	866.8	863.2	861.8
20°	857.3	847.9	853.7	848.3	847.0
22.5°	842.9	833.5	840.2	832.6	833.0
25°	827.1	817.2	824.0	816.8	816.3
27.5°	809.1	799.7	806.9	799.2	800.1
30°	789.3	779.8	787.1	779.4	780.3
32.5°	767.7	760.0	766.3	759.1	764.1
35°	745.6	737.5	744.3	736.1	740.2
37.5°	721.7	714.1	721.3	712.3	715.9
40°	696.0	689.3	695.6	687.5	690.6
42.5°	666.3	662.3	668.6	660.5	663.2
45°	637.5	631.6	639.3	632.5	633.4
47.5°	608.6	602.3	609.5	603.7	603.2
50°	574.0	571.7	578.5	574.0	573.5
52.5°	541.1	536.6	543.8	541.5	542.9
55°	505.9	501.9	507.7	507.3	510.0
57.5°	469.4	465.4	473.0	472.1	474.4
60°	430.7	427.5	437.5	435.2	437.0
62.5°	392.9	387.0	399.6	397.8	396.9
65°	350.5	346.9	360.4	358.2	351.4
67.5°	306.8	305.5	319.4	314.9	303.6
70°	263.1	264.0	277.5	269.0	259.5
72.5°	217.1	223.9	232.0	225.7	219.0
75°	173.9	184.3	185.6	185.2	178.4
77.5°	131.6	144.6	141.5	144.6	139.2
80°	91.9	106.3	104.1	106.8	102.3
82.5°	56.8	69.8	70.3	72.1	68.0
85°	27.5	40.5	41.4	41.9	38.7
87.5°	5.9	18.9	19.4	18.0	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)