

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-LD5-64SL-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-LD5-64SL-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

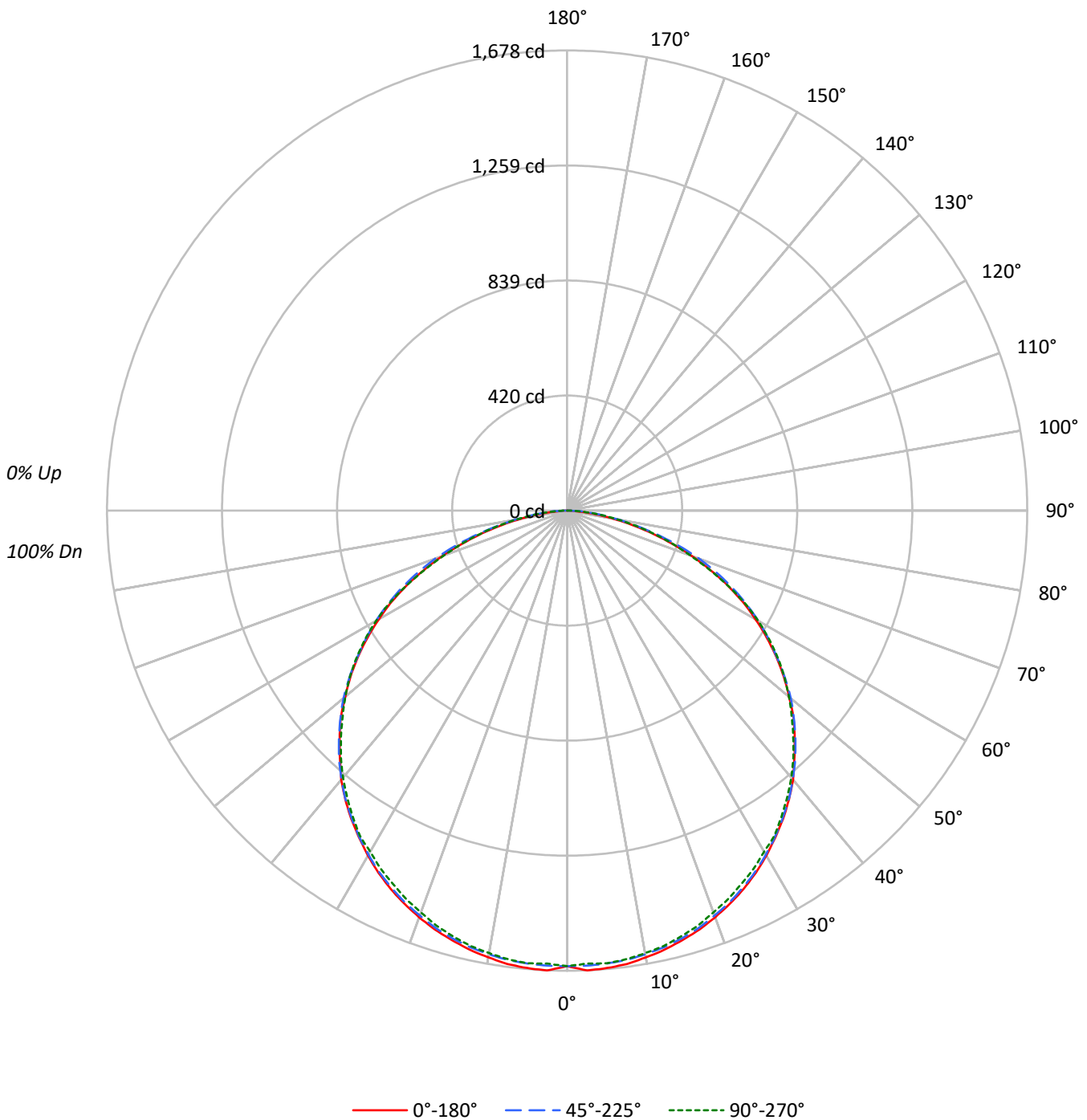
Lumens per Lamp: N/A
Luminaire Lumens: 4983.0 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 42
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°	6712	6712	6712
5°	6782	6565	6507
10°	6769	6427	6306
15°	6757	6288	6109
20°	6748	6139	5898
25°	6739	5990	5701
30°	6718	5829	5508
35°	6697	5662	5322
40°	6671	5482	5099
45°	6602	5268	4844
50°	6520	5034	4585
55°	6417	4720	4305
60°	6238	4400	3939
65°	5969	3982	3426
70°	5486	3430	2778
75°	4722	2625	2135
80°	3617	1736	1400
85°	1990	850	625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	3.2
10°-20°	454.7	9.1
20°-30°	696.0	14.0
30°-40°	852.7	17.1
40°-50°	901.9	18.1
50°-60°	832.5	16.7
60°-70°	642.6	12.9
70°-80°	356.7	7.2
80°-90°	88.3	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°	1308.3	26.3
0°-40°	2161.0	43.4
0°-60°	3895.4	78.2
0°-90°	4983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4983.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1661	1661	1661	1661	1661	
5°	1674	1653	1658	1654	1657	159
15°	1622	1603	1615	1609	1607	458
25°	1523	1504	1517	1504	1503	702
35°	1372	1358	1370	1355	1362	859
45°	1174	1163	1177	1164	1166	906
55°	931	924	935	934	939	831
65°	645	639	663	659	647	636
75°	320	339	342	341	328	340
85°	51	75	76	77	71	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1661.1	1661.1	1661.1	1661.1	1661.1
2.5°	1678.5	1656.9	1661.1	1658.6	1653.6
5°	1674.4	1652.8	1657.8	1653.6	1656.9
7.5°	1667.7	1644.5	1652.8	1647.0	1650.3
10°	1654.5	1634.6	1642.9	1636.2	1638.7
12.5°	1640.4	1619.6	1631.2	1622.9	1626.3
15°	1622.1	1603.0	1614.7	1608.8	1607.2
17.5°	1602.2	1584.0	1595.6	1588.9	1586.5
20°	1578.2	1560.7	1571.5	1561.6	1559.1
22.5°	1551.6	1534.2	1546.7	1532.6	1533.4
25°	1522.6	1504.4	1516.8	1503.5	1502.7
27.5°	1489.4	1472.0	1485.3	1471.2	1472.8
30°	1452.9	1435.5	1448.8	1434.7	1436.4
32.5°	1413.1	1399.0	1410.6	1397.4	1406.5
35°	1372.5	1357.6	1370.0	1355.1	1362.5
37.5°	1328.5	1314.4	1327.7	1311.1	1317.8
40°	1281.3	1268.8	1280.4	1265.5	1271.3
42.5°	1226.5	1219.1	1230.7	1215.8	1220.7
45°	1173.5	1162.7	1176.8	1164.3	1166.0
47.5°	1120.4	1108.8	1122.0	1111.3	1110.4
50°	1056.5	1052.4	1064.8	1056.5	1055.7
52.5°	996.0	987.7	1001.0	996.8	999.3
55°	931.3	923.8	934.6	933.8	938.8
57.5°	864.1	856.7	870.8	869.1	873.3
60°	792.8	787.0	805.3	801.1	804.4
62.5°	723.2	712.4	735.6	732.3	730.6
65°	645.2	638.6	663.4	659.3	646.9
67.5°	564.8	562.3	588.0	579.7	559.0
70°	484.3	486.0	510.9	495.1	477.7
72.5°	399.7	412.2	427.1	415.5	403.0
75°	320.1	339.2	341.7	340.8	328.4
77.5°	242.2	266.2	260.4	266.2	256.3
80°	169.2	195.7	191.6	196.5	188.3
82.5°	104.5	128.5	129.4	132.7	125.2
85°	50.6	74.6	76.3	77.1	71.3
87.5°	10.8	34.8	35.7	33.2	29.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)