

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-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-LD5-64SL-UNV-L940-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

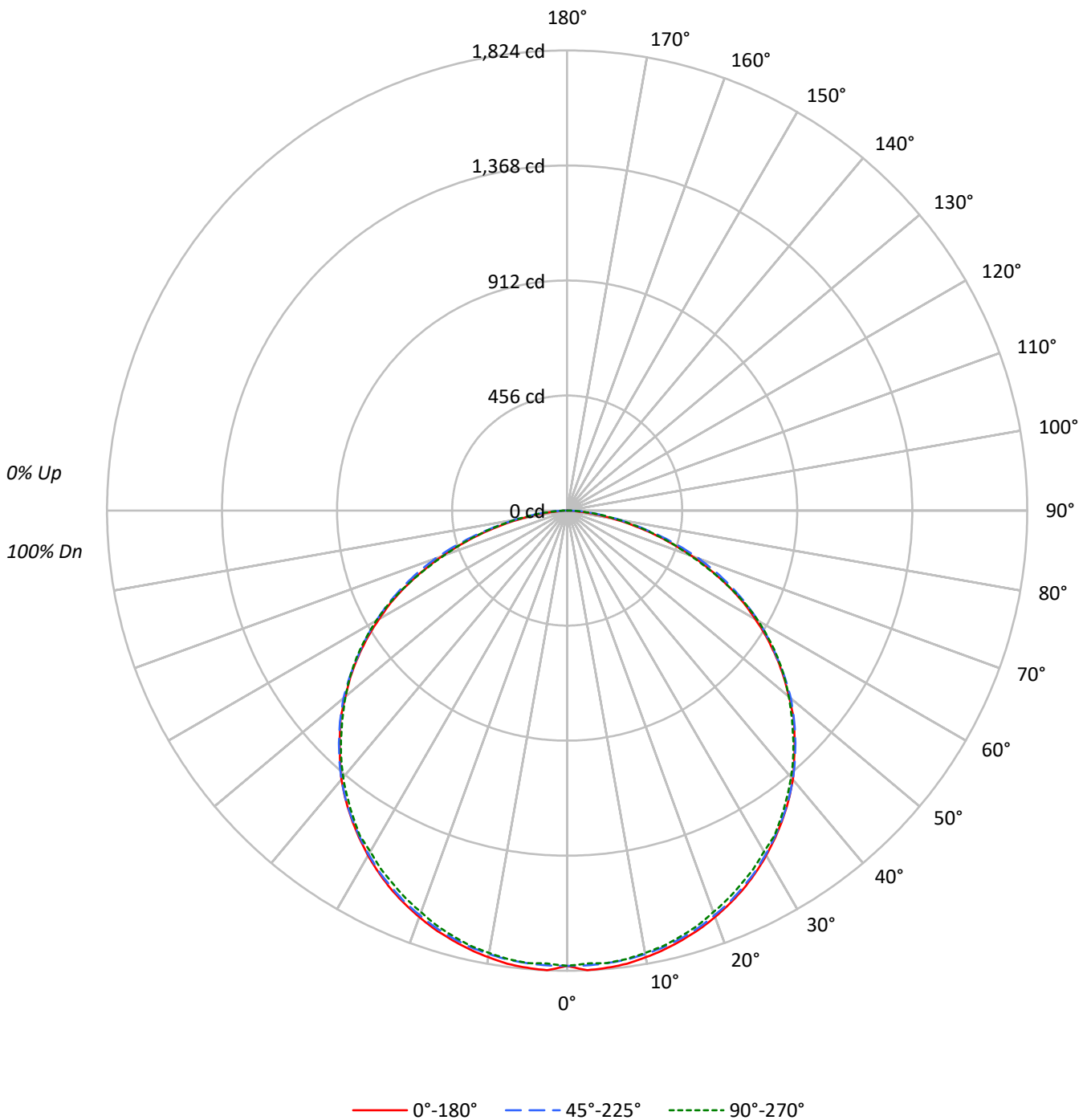
Lumens per Lamp: N/A  
Luminaire Lumens: 5414.0 lumens  
Efficiency: N/A  
Efficacy: 128.9 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 42  
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°	7368	7133	7070
10°	7355	6983	6851
15°	7341	6832	6637
20°	7331	6671	6408
25°	7322	6508	6195
30°	7299	6333	5984
35°	7276	6151	5782
40°	7248	5956	5541
45°	7173	5724	5263
50°	7084	5470	4981
55°	6973	5129	4678
60°	6778	4781	4280
65°	6485	4326	3723
70°	5960	3726	3018
75°	5130	2852	2320
80°	3929	1886	1521
85°	2163	924	679



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.3	3.2
10°-20°	494.0	9.1
20°-30°	756.2	14.0
30°-40°	926.5	17.1
40°-50°	979.9	18.1
50°-60°	904.5	16.7
60°-70°	698.1	12.9
70°-80°	387.5	7.2
80°-90°	96.0	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°	1421.4	26.3
0°-40°	2347.9	43.4
0°-60°	4232.4	78.2
0°-90°	5414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5414.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1805	1805	1805	1805	1805	
5°	1819	1796	1801	1797	1800	173
15°	1762	1742	1754	1748	1746	498
25°	1654	1634	1648	1634	1633	762
35°	1491	1475	1488	1472	1480	933
45°	1275	1263	1279	1265	1267	984
55°	1012	1004	1016	1015	1020	903
65°	701	694	721	716	703	691
75°	348	368	371	370	357	369
85°	55	81	83	84	78	74
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1804.8	1804.8	1804.8	1804.8	1804.8
2.5°	1823.7	1800.3	1804.8	1802.1	1796.7
5°	1819.2	1795.8	1801.2	1796.7	1800.3
7.5°	1812.0	1786.7	1795.8	1789.5	1793.1
10°	1797.6	1775.9	1784.9	1777.7	1780.4
12.5°	1782.2	1759.7	1772.3	1763.3	1766.9
15°	1762.4	1741.7	1754.3	1748.0	1746.2
17.5°	1740.8	1721.0	1733.6	1726.4	1723.7
20°	1714.7	1695.7	1707.5	1696.6	1693.9
22.5°	1685.8	1666.9	1680.4	1665.1	1666.0
25°	1654.3	1634.5	1648.0	1633.6	1632.7
27.5°	1618.3	1599.3	1613.8	1598.4	1600.2
30°	1578.6	1559.7	1574.1	1558.8	1560.6
32.5°	1535.4	1520.0	1532.7	1518.2	1528.2
35°	1491.2	1475.0	1488.5	1472.3	1480.4
37.5°	1443.5	1428.1	1442.6	1424.5	1431.7
40°	1392.1	1378.6	1391.2	1375.0	1381.3
42.5°	1332.6	1324.5	1337.1	1320.9	1326.3
45°	1275.0	1263.2	1278.6	1265.1	1266.9
47.5°	1217.3	1204.7	1219.1	1207.4	1206.5
50°	1147.9	1143.4	1156.9	1147.9	1147.0
52.5°	1082.1	1073.1	1087.5	1083.0	1085.7
55°	1011.9	1003.8	1015.5	1014.6	1020.0
57.5°	938.9	930.8	946.1	944.3	948.8
60°	861.4	855.1	874.9	870.4	874.0
62.5°	785.7	774.0	799.2	795.6	793.8
65°	701.0	693.8	720.8	716.3	702.8
67.5°	613.6	610.9	638.8	629.8	607.3
70°	526.2	528.0	555.0	537.9	519.0
72.5°	434.3	447.8	464.0	451.4	437.9
75°	347.8	368.5	371.2	370.3	356.8
77.5°	263.1	289.2	282.9	289.2	278.4
80°	183.8	212.6	208.1	213.5	204.5
82.5°	113.5	139.7	140.6	144.2	136.1
85°	55.0	81.1	82.9	83.8	77.5
87.5°	11.7	37.8	38.7	36.0	31.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)