

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: P289702

Luminaire Tested: **8SSRK-60-L940-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289702  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-60-L940-CD1-U  
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5718.0 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

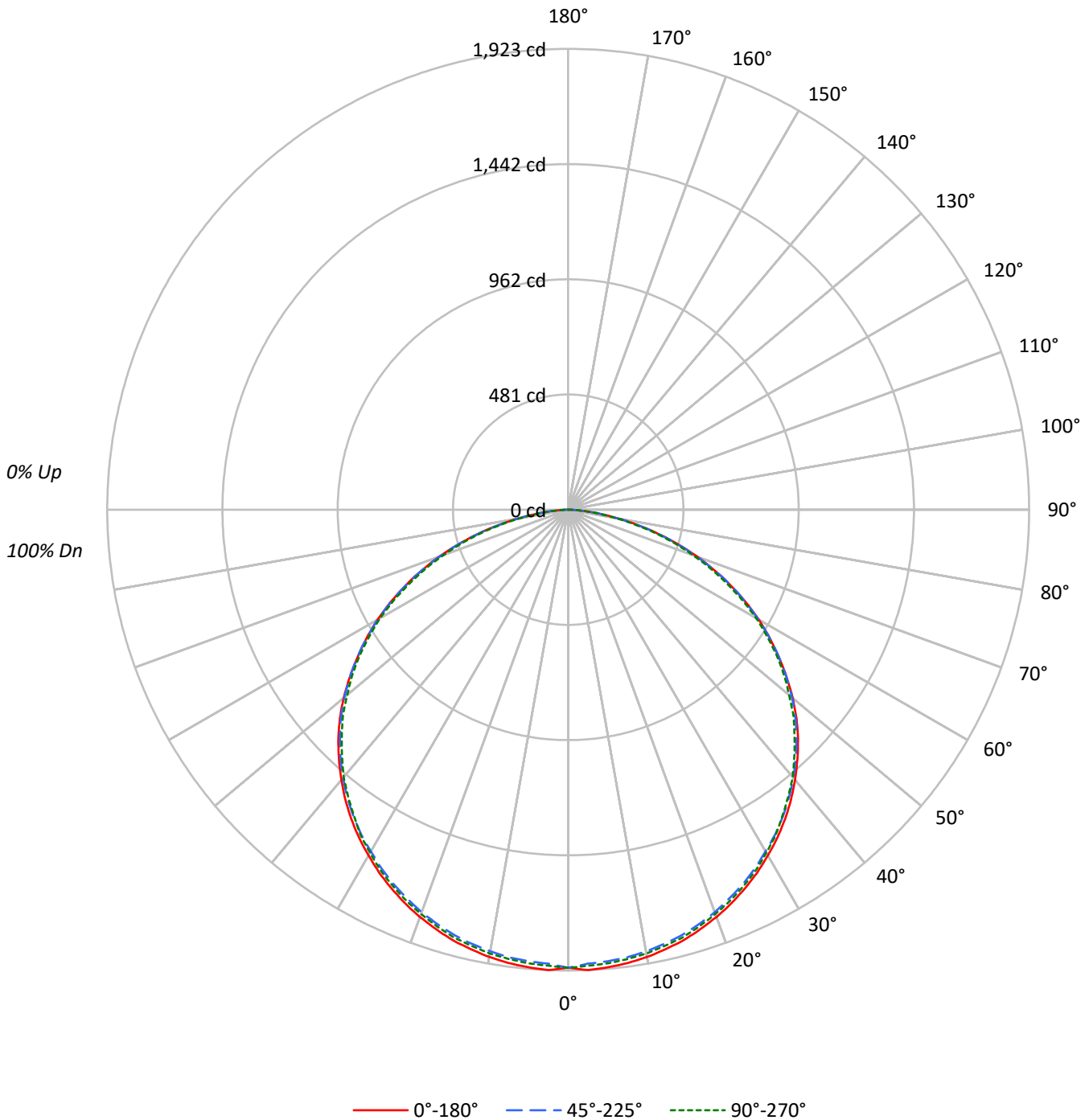
Input Watts (W): 41.3831  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	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	53	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23					23			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	61728	61728	61728
5°	62016	49100	45615
10°	61919	40872	36153
15°	61839	34855	29802
20°	61683	30182	25122
25°	61533	26406	21537
30°	61378	23240	18621
35°	61261	20583	16164
40°	60972	18191	14095
45°	60665	16002	12197
50°	59946	13949	10478
55°	58646	11949	8907
60°	57191	10002	7376
65°	54738	8065	5825
70°	51233	6094	4350
75°	45032	4166	2944
80°	35640	2327	1588
85°	22952	841	523



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.2	3.2
10°-20°	522.0	9.1
20°-30°	799.9	14.0
30°-40°	980.5	17.1
40°-50°	1038.8	18.2
50°-60°	957.8	16.8
60°-70°	736.0	12.9
70°-80°	408.0	7.1
80°-90°	93.8	1.6
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°	1503.1	26.3
0°-40°	2483.6	43.4
0°-60°	4480.2	78.4
0°-90°	5718.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5718.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1912	1912	1912	1912	1912	
5°	1917	1908	1892	1910	1900	182
15°	1860	1851	1837	1853	1847	525
25°	1744	1738	1724	1741	1732	804
35°	1577	1569	1562	1567	1558	986
45°	1356	1352	1347	1345	1335	1045
55°	1073	1081	1074	1070	1062	959
65°	748	750	749	739	730	740
75°	389	390	388	381	376	411
85°	77	78	76	72	66	95
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1911.6	1911.6	1911.6	1911.6	1911.6
2.5°	1922.9	1913.5	1895.9	1913.5	1904.7
5°	1916.7	1908.5	1891.5	1909.7	1899.7
7.5°	1907.9	1901.0	1884.0	1901.6	1891.5
10°	1895.3	1887.8	1871.4	1890.3	1880.2
12.5°	1878.3	1871.4	1855.7	1873.3	1864.5
15°	1860.1	1851.3	1836.9	1853.2	1846.9
17.5°	1835.0	1828.1	1813.6	1829.3	1822.4
20°	1808.6	1801.7	1787.2	1802.9	1795.4
22.5°	1778.4	1771.5	1756.4	1773.4	1765.8
25°	1743.8	1737.6	1723.7	1741.3	1731.9
27.5°	1707.4	1702.4	1687.3	1701.7	1696.1
30°	1665.9	1662.8	1646.4	1657.8	1652.7
32.5°	1623.8	1618.2	1606.9	1615.7	1610.6
35°	1576.7	1569.1	1561.6	1567.3	1558.5
37.5°	1526.4	1521.4	1513.2	1518.2	1508.2
40°	1471.7	1467.3	1461.1	1462.3	1456.7
42.5°	1415.2	1410.2	1405.1	1402.6	1396.3
45°	1356.1	1351.7	1346.7	1344.8	1335.4
47.5°	1292.0	1288.9	1285.7	1281.3	1274.4
50°	1222.9	1224.1	1218.5	1214.7	1202.8
52.5°	1148.7	1156.3	1148.1	1142.5	1135.5
55°	1072.7	1080.9	1074.0	1069.6	1062.0
57.5°	997.3	1001.1	996.7	993.5	983.5
60°	917.5	920.6	917.5	910.6	905.5
62.5°	835.2	838.9	832.6	827.6	820.7
65°	748.4	750.3	749.1	739.0	730.2
67.5°	661.1	664.2	660.5	653.6	644.8
70°	573.7	571.9	568.7	563.7	552.4
72.5°	481.4	481.4	480.7	471.3	465.7
75°	389.0	389.6	387.7	381.4	375.8
77.5°	296.6	303.5	298.5	292.2	285.9
80°	214.3	218.7	214.3	206.1	202.3
82.5°	137.0	143.3	139.5	131.3	130.1
85°	76.7	77.9	76.0	72.3	66.0
87.5°	28.9	30.2	30.8	25.1	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)