

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: P289670

Luminaire Tested: **4SSRK-60-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289670
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: 4SSRK-60-L940-CD1-U
Description: 6000 LUMEN, 4 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: 5765.5 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

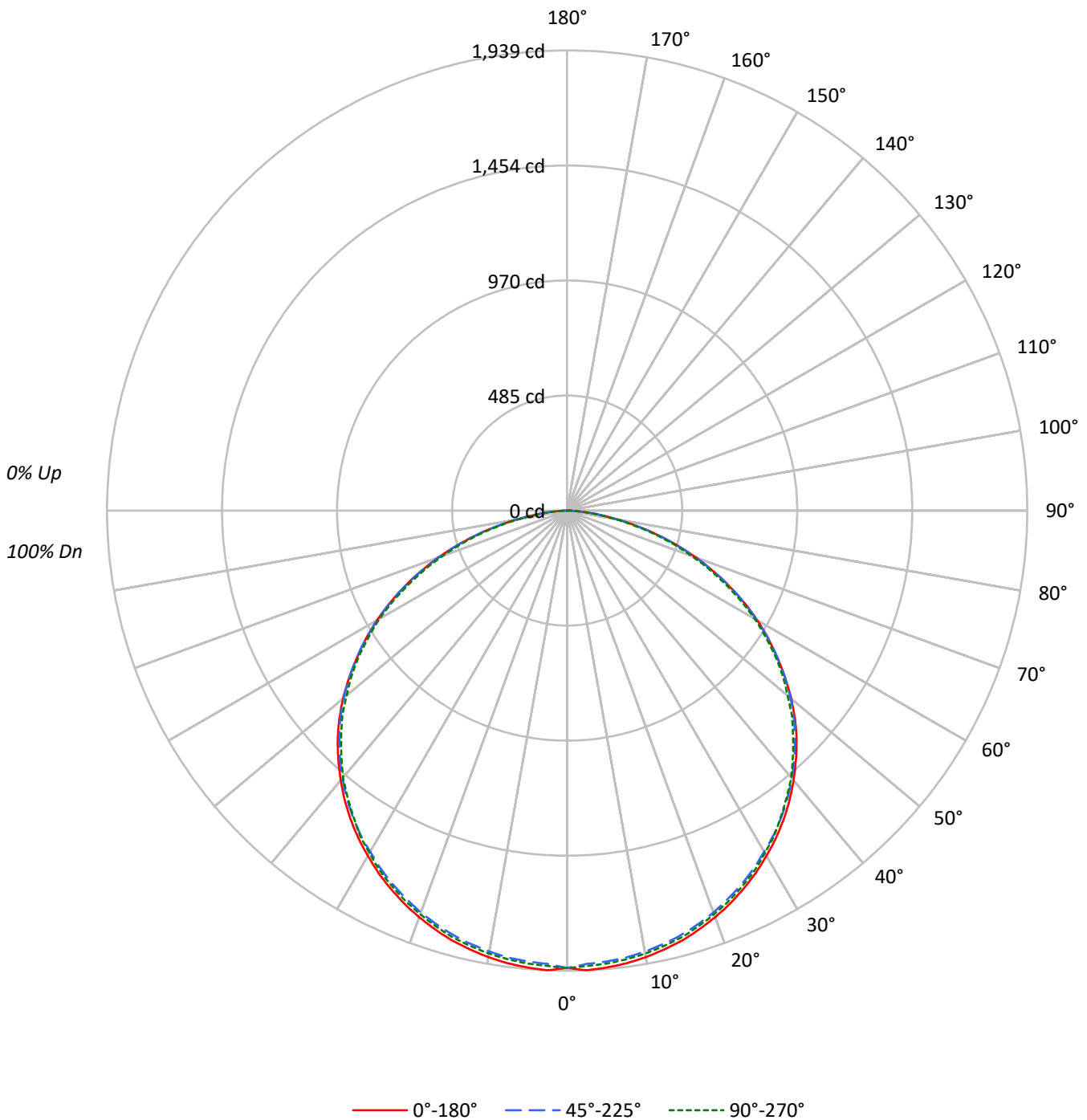
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	124484	124484	124484
5°	124835	98912	91989
10°	124408	82284	72905
15°	124014	70130	60097
20°	123460	60704	50661
25°	122907	53094	43431
30°	122327	46717	37551
35°	121789	41366	32596
40°	120885	36551	28425
45°	119895	32148	24596
50°	118023	28017	21130
55°	114945	23995	17962
60°	111448	20083	14876
65°	105870	16191	11748
70°	98016	12232	8772
75°	84695	8361	5936
80°	65010	4671	3203
85°	38801	1688	1055



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.7	3.2
10°-20°	526.3	9.1
20°-30°	806.6	14.0
30°-40°	988.7	17.1
40°-50°	1047.4	18.2
50°-60°	965.7	16.8
60°-70°	742.2	12.9
70°-80°	411.3	7.1
80°-90°	94.6	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°	1515.5	26.3
0°-40°	2504.2	43.4
0°-60°	4517.4	78.4
0°-90°	5765.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5765.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1928	1928	1928	1928	1928	
5°	1933	1924	1907	1926	1916	184
15°	1876	1867	1852	1869	1862	529
25°	1758	1752	1738	1756	1746	811
35°	1590	1582	1575	1580	1571	995
45°	1367	1363	1358	1356	1346	1054
55°	1082	1090	1083	1078	1071	967
65°	755	757	755	745	736	746
75°	392	393	391	385	379	415
85°	77	79	77	73	66	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1927.5	1927.5	1927.5	1927.5	1927.5
2.5°	1938.9	1929.4	1911.7	1929.4	1920.5
5°	1932.6	1924.3	1907.2	1925.6	1915.5
7.5°	1923.7	1916.7	1899.6	1917.4	1907.2
10°	1911.0	1903.4	1887.0	1906.0	1895.8
12.5°	1893.9	1887.0	1871.1	1888.9	1880.0
15°	1875.5	1866.7	1852.1	1868.6	1862.2
17.5°	1850.2	1843.2	1828.7	1844.5	1837.5
20°	1823.6	1816.6	1802.0	1817.9	1810.3
22.5°	1793.2	1786.2	1771.0	1788.1	1780.5
25°	1758.3	1752.0	1738.0	1755.8	1746.3
27.5°	1721.6	1716.5	1701.3	1715.9	1710.2
30°	1679.8	1676.6	1660.1	1671.5	1666.4
32.5°	1637.3	1631.6	1620.2	1629.1	1624.0
35°	1589.8	1582.2	1574.6	1580.3	1571.4
37.5°	1539.1	1534.0	1525.8	1530.9	1520.7
40°	1484.0	1479.5	1473.2	1474.5	1468.8
42.5°	1426.9	1421.9	1416.8	1414.3	1407.9
45°	1367.4	1362.9	1357.9	1356.0	1346.5
47.5°	1302.7	1299.6	1296.4	1292.0	1285.0
50°	1233.0	1234.3	1228.6	1224.8	1212.8
52.5°	1158.3	1165.9	1157.6	1151.9	1145.0
55°	1081.6	1089.8	1082.9	1078.4	1070.8
57.5°	1005.6	1009.4	1004.9	1001.8	991.6
60°	925.1	928.3	925.1	918.1	913.1
62.5°	842.1	845.9	839.6	834.5	827.5
65°	754.7	756.6	755.3	745.1	736.3
67.5°	666.6	669.7	665.9	659.0	650.1
70°	578.5	576.6	573.4	568.4	557.0
72.5°	485.4	485.4	484.7	475.2	469.5
75°	392.2	392.9	390.9	384.6	378.9
77.5°	299.1	306.0	301.0	294.6	288.3
80°	216.1	220.5	216.1	207.8	204.0
82.5°	138.1	144.5	140.7	132.4	131.2
85°	77.3	78.6	76.7	72.9	66.5
87.5°	29.1	30.4	31.0	25.3	22.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)