

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: P289718

Luminaire Tested: **8SSRK-10-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289718
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-10-L940-CD1-U
Description: 10000 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: 9591.4 lumens
Efficiency: N/A
Efficacy: 133.4 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

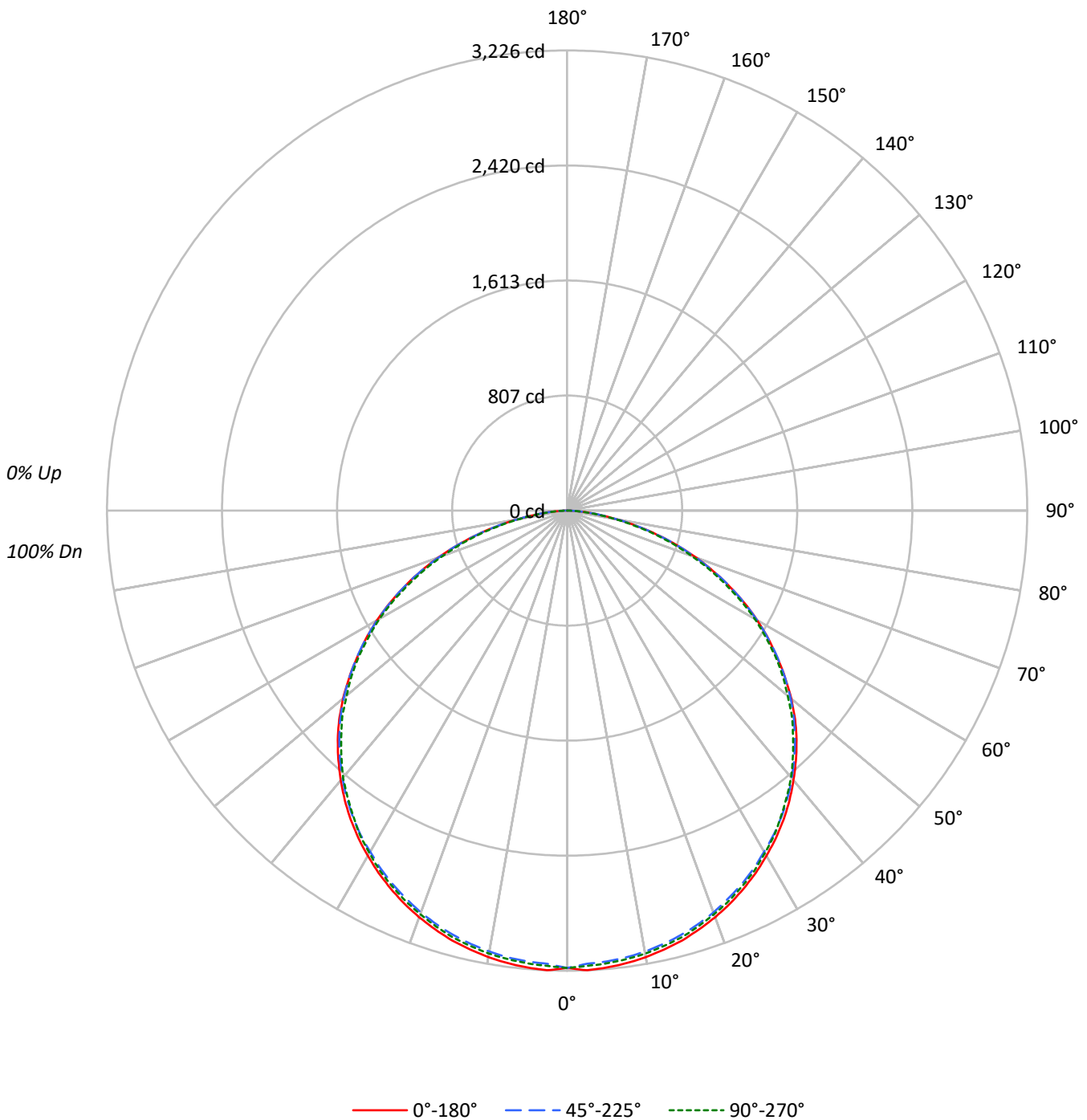
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P289718

CATALOG NUMBER: 8SSRK-10-L940-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P289718

CATALOG NUMBER: 8SSRK-10-L940-CD1-U

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	103546	103546	103546
5°	104024	82359	76514
10°	103863	68560	60643
15°	103728	58464	49990
20°	103465	50628	42140
25°	103218	44295	36126
30°	102956	38984	31236
35°	102757	34525	27114
40°	102277	30514	23643
45°	101759	26842	20459
50°	100554	23398	17575
55°	98371	20042	14941
60°	95932	16777	12374
65°	91821	13528	9772
70°	85945	10222	7297
75°	75536	6989	4938
80°	59772	3903	2665
85°	38483	1410	878



TEST NUMBER: P289718

CATALOG NUMBER: 8SSRK-10-L940-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.9	3.2
10°-20°	875.5	9.1
20°-30°	1341.8	14.0
30°-40°	1644.8	17.1
40°-50°	1742.4	18.2
50°-60°	1606.6	16.8
60°-70°	1234.7	12.9
70°-80°	684.3	7.1
80°-90°	157.4	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°	2521.2	26.3
0°-40°	4166.0	43.4
0°-60°	7515.0	78.4
0°-90°	9591.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9591.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3207	3207	3207	3207	3207	
5°	3215	3201	3173	3203	3186	306
15°	3120	3105	3081	3108	3098	881
25°	2925	2915	2891	2921	2905	1349
35°	2645	2632	2619	2629	2614	1655
45°	2275	2267	2259	2256	2240	1753
55°	1799	1813	1802	1794	1781	1609
65°	1255	1259	1256	1240	1225	1241
75°	652	654	650	640	630	690
85°	129	131	128	121	111	160
90°	0	0	0	0	0	



TEST NUMBER: P289718

CATALOG NUMBER: 8SSRK-10-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3206.6	3206.6	3206.6	3206.6	3206.6
2.5°	3225.5	3209.7	3180.2	3209.7	3195.0
5°	3215.0	3201.3	3172.8	3203.4	3186.5
7.5°	3200.2	3188.6	3160.2	3189.7	3172.8
10°	3179.2	3166.5	3139.1	3170.7	3153.9
12.5°	3150.7	3139.1	3112.8	3142.3	3127.5
15°	3120.1	3105.4	3081.1	3108.5	3098.0
17.5°	3078.0	3066.4	3042.1	3068.5	3056.9
20°	3033.7	3022.1	2997.9	3024.2	3011.6
22.5°	2983.1	2971.5	2946.2	2974.7	2962.0
25°	2925.1	2914.6	2891.4	2920.9	2905.1
27.5°	2864.0	2855.6	2830.3	2854.5	2845.0
30°	2794.4	2789.1	2761.7	2780.7	2772.3
32.5°	2723.8	2714.3	2695.3	2710.1	2701.7
35°	2644.7	2632.1	2619.4	2628.9	2614.2
37.5°	2560.4	2552.0	2538.3	2546.7	2529.8
40°	2468.7	2461.3	2450.8	2452.9	2443.4
42.5°	2373.8	2365.4	2357.0	2352.7	2342.2
45°	2274.7	2267.4	2258.9	2255.8	2240.0
47.5°	2167.2	2162.0	2156.7	2149.3	2137.7
50°	2051.3	2053.4	2043.9	2037.6	2017.5
52.5°	1926.9	1939.5	1925.8	1916.4	1904.8
55°	1799.3	1813.0	1801.5	1794.1	1781.4
57.5°	1672.9	1679.2	1671.8	1666.5	1649.7
60°	1539.0	1544.3	1539.0	1527.4	1519.0
62.5°	1400.9	1407.2	1396.7	1388.2	1376.7
65°	1255.4	1258.6	1256.5	1239.6	1224.9
67.5°	1108.9	1114.2	1107.9	1096.3	1081.5
70°	962.4	959.2	954.0	945.5	926.6
72.5°	807.4	807.4	806.4	790.6	781.1
75°	652.5	653.5	650.4	639.8	630.4
77.5°	497.5	509.1	500.7	490.2	479.6
80°	359.4	366.8	359.4	345.7	339.4
82.5°	229.8	240.3	234.0	220.3	218.2
85°	128.6	130.7	127.5	121.2	110.7
87.5°	48.5	50.6	51.7	42.2	36.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)