

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: P289694

Luminaire Tested: **8SSRK-50-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289694
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-50-L940-CD1-U
Description: 5000 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: 4755.7 lumens
Efficiency: N/A
Efficacy: 139.1 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

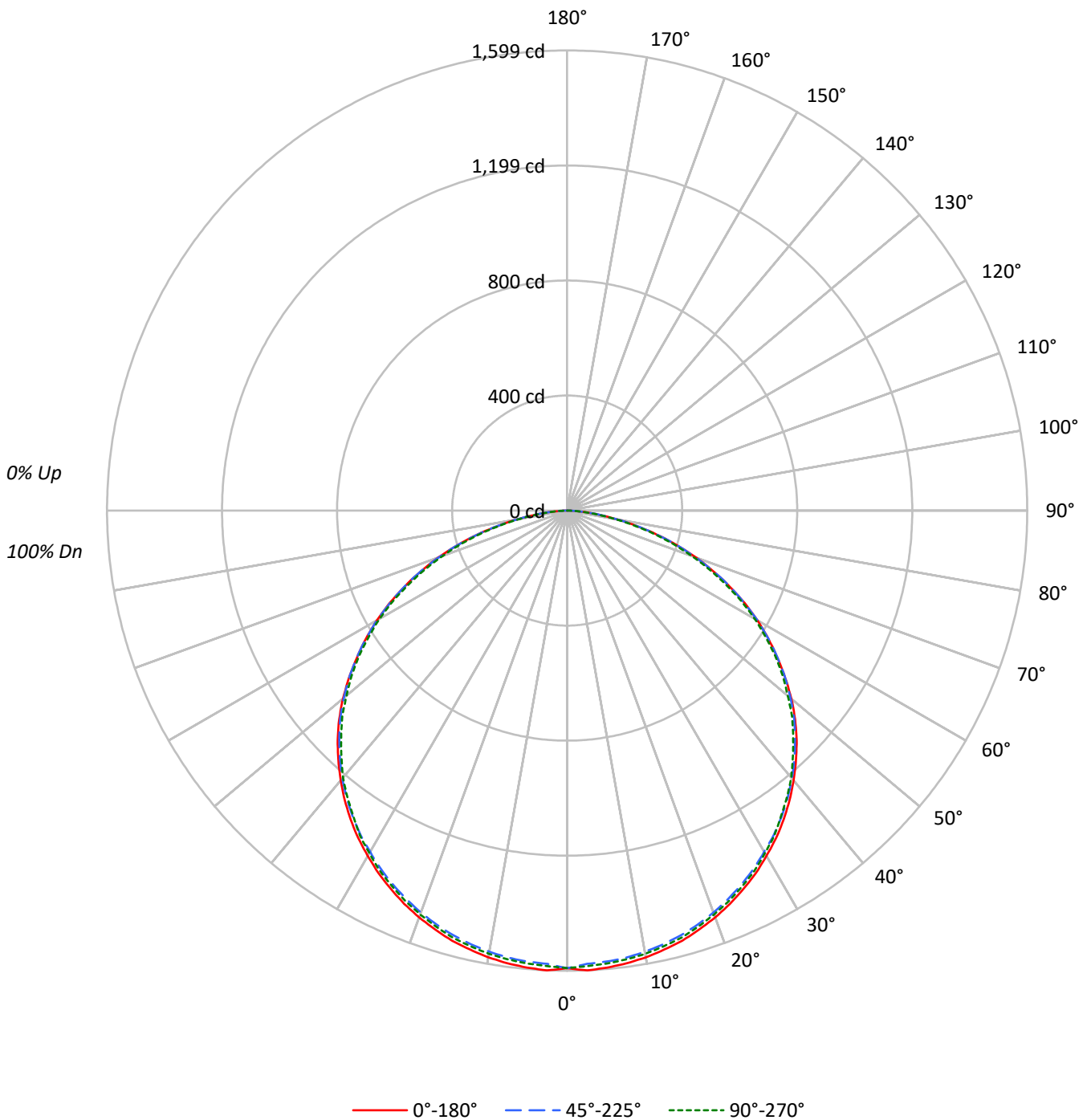
Input Watts (W): 34.1991
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	51340	51340	51340
5°	51578	40837	37939
10°	51497	33995	30069
15°	51433	28988	24787
20°	51301	25102	20894
25°	51180	21962	17912
30°	51051	19330	15488
35°	50949	17119	13444
40°	50714	15130	11723
45°	50457	13309	10144
50°	49858	11601	8715
55°	48778	9937	7408
60°	47567	8319	6135
65°	45530	6707	4845
70°	42615	5068	3618
75°	37450	3465	2448
80°	29636	1935	1321
85°	19092	699	435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.7	3.2
10°-20°	434.1	9.1
20°-30°	665.3	14.0
30°-40°	815.5	17.1
40°-50°	864.0	18.2
50°-60°	796.6	16.8
60°-70°	612.2	12.9
70°-80°	339.3	7.1
80°-90°	78.0	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°	1250.1	26.3
0°-40°	2065.6	43.4
0°-60°	3726.2	78.4
0°-90°	4755.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4755.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1590	1590	1590	1590	1590	
5°	1594	1587	1573	1588	1580	152
15°	1547	1540	1528	1541	1536	437
25°	1450	1445	1434	1448	1440	669
35°	1311	1305	1299	1304	1296	820
45°	1128	1124	1120	1118	1111	869
55°	892	899	893	890	883	798
65°	622	624	623	615	607	615
75°	324	324	322	317	312	342
85°	64	65	63	60	55	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1589.9	1589.9	1589.9	1589.9	1589.9
2.5°	1599.3	1591.5	1576.8	1591.5	1584.2
5°	1594.1	1587.3	1573.2	1588.3	1580.0
7.5°	1586.8	1581.0	1566.9	1581.6	1573.2
10°	1576.3	1570.1	1556.5	1572.1	1563.8
12.5°	1562.2	1556.5	1543.4	1558.0	1550.7
15°	1547.1	1539.7	1527.7	1541.3	1536.1
17.5°	1526.2	1520.4	1508.4	1521.4	1515.7
20°	1504.2	1498.5	1486.4	1499.5	1493.2
22.5°	1479.1	1473.4	1460.8	1474.9	1468.7
25°	1450.4	1445.1	1433.6	1448.3	1440.4
27.5°	1420.1	1415.9	1403.3	1415.3	1410.6
30°	1385.6	1382.9	1369.4	1378.8	1374.6
32.5°	1350.5	1345.8	1336.4	1343.7	1339.6
35°	1311.3	1305.1	1298.8	1303.5	1296.2
37.5°	1269.5	1265.3	1258.6	1262.7	1254.4
40°	1224.1	1220.4	1215.2	1216.2	1211.5
42.5°	1177.0	1172.8	1168.7	1166.6	1161.3
45°	1127.9	1124.2	1120.0	1118.5	1110.6
47.5°	1074.6	1072.0	1069.4	1065.7	1059.9
50°	1017.1	1018.1	1013.4	1010.3	1000.4
52.5°	955.4	961.7	954.9	950.2	944.4
55°	892.2	899.0	893.2	889.6	883.3
57.5°	829.5	832.6	828.9	826.3	818.0
60°	763.1	765.7	763.1	757.3	753.1
62.5°	694.6	697.7	692.5	688.3	682.6
65°	622.5	624.0	623.0	614.6	607.3
67.5°	549.8	552.4	549.3	543.6	536.2
70°	477.2	475.6	473.0	468.8	459.4
72.5°	400.4	400.4	399.8	392.0	387.3
75°	323.5	324.0	322.5	317.3	312.5
77.5°	246.7	252.4	248.3	243.0	237.8
80°	178.2	181.9	178.2	171.4	168.3
82.5°	113.9	119.2	116.0	109.2	108.2
85°	63.8	64.8	63.2	60.1	54.9
87.5°	24.0	25.1	25.6	20.9	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)