

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: P289667

Luminaire Tested: **4SSRK-40-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289667
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-40-L850-CD1-U
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4494.7 lumens
Efficiency: N/A
Efficacy: 162.3 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

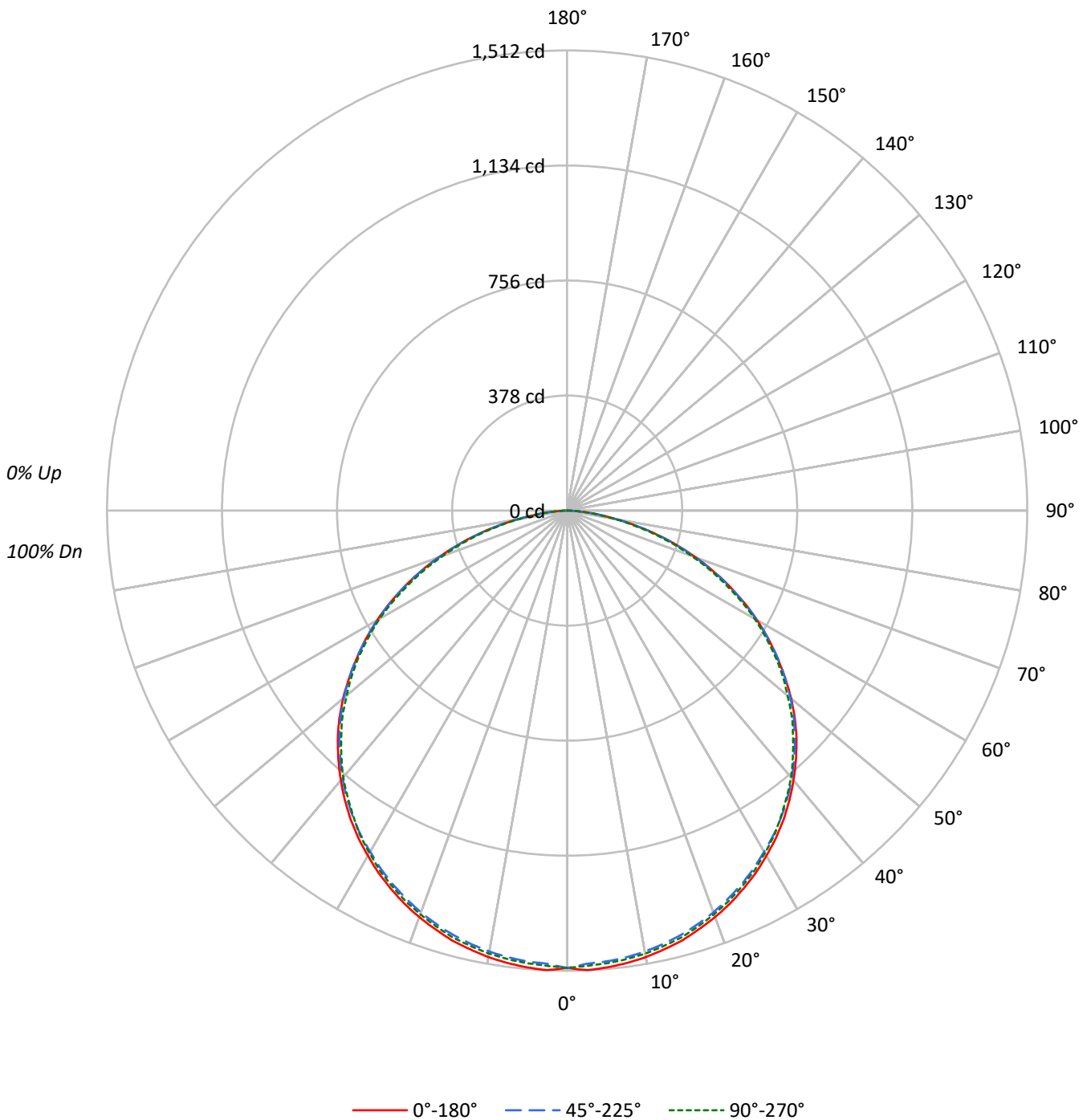
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	97049	97049	97049
5°	97318	77109	71714
10°	96987	64144	56838
15°	96678	54674	46853
20°	96244	47324	39495
25°	95821	41394	33859
30°	95361	36420	29274
35°	94946	32247	25410
40°	94240	28495	22159
45°	93468	25062	19175
50°	92016	21842	16473
55°	89609	18706	14003
60°	86884	15656	11597
65°	82528	12622	9158
70°	76414	9535	6838
75°	66037	6520	4628
80°	50660	3640	2498
85°	30268	1316	823



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	3.2
10°-20°	410.3	9.1
20°-30°	628.8	14.0
30°-40°	770.8	17.1
40°-50°	816.5	18.2
50°-60°	752.9	16.8
60°-70°	578.6	12.9
70°-80°	320.7	7.1
80°-90°	73.8	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°	1181.5	26.3
0°-40°	1952.2	43.4
0°-60°	3521.7	78.4
0°-90°	4494.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4494.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1503	1503	1503	1503	1503	
5°	1507	1500	1487	1501	1493	143
15°	1462	1455	1444	1457	1452	413
25°	1371	1366	1355	1369	1361	632
35°	1239	1233	1228	1232	1225	775
45°	1066	1062	1059	1057	1050	821
55°	843	850	844	841	835	754
65°	588	590	589	581	574	582
75°	306	306	305	300	295	323
85°	60	61	60	57	52	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1502.7	1502.7	1502.7	1502.7	1502.7
2.5°	1511.5	1504.1	1490.3	1504.1	1497.2
5°	1506.6	1500.2	1486.8	1501.2	1493.3
7.5°	1499.7	1494.3	1480.9	1494.7	1486.8
10°	1489.8	1483.9	1471.0	1485.9	1478.0
12.5°	1476.5	1471.0	1458.7	1472.5	1465.6
15°	1462.1	1455.2	1443.9	1456.7	1451.8
17.5°	1442.4	1437.0	1425.6	1437.9	1432.5
20°	1421.6	1416.2	1404.8	1417.2	1411.3
22.5°	1397.9	1392.5	1380.6	1394.0	1388.1
25°	1370.8	1365.8	1355.0	1368.8	1361.4
27.5°	1342.1	1338.2	1326.3	1337.7	1333.2
30°	1309.5	1307.0	1294.2	1303.1	1299.1
32.5°	1276.4	1272.0	1263.1	1270.0	1266.0
35°	1239.4	1233.4	1227.5	1232.0	1225.0
37.5°	1199.8	1195.9	1189.5	1193.4	1185.5
40°	1156.9	1153.4	1148.5	1149.5	1145.0
42.5°	1112.4	1108.5	1104.5	1102.5	1097.6
45°	1066.0	1062.5	1058.6	1057.1	1049.7
47.5°	1015.6	1013.1	1010.7	1007.2	1001.8
50°	961.3	962.3	957.8	954.8	945.5
52.5°	903.0	908.9	902.5	898.0	892.6
55°	843.2	849.6	844.2	840.7	834.8
57.5°	783.9	786.9	783.4	781.0	773.1
60°	721.2	723.7	721.2	715.8	711.8
62.5°	656.5	659.4	654.5	650.6	645.1
65°	588.3	589.8	588.8	580.9	574.0
67.5°	519.7	522.1	519.2	513.7	506.8
70°	451.0	449.5	447.0	443.1	434.2
72.5°	378.4	378.4	377.9	370.5	366.0
75°	305.8	306.3	304.8	299.8	295.4
77.5°	233.2	238.6	234.6	229.7	224.8
80°	168.4	171.9	168.4	162.0	159.1
82.5°	107.7	112.6	109.7	103.2	102.3
85°	60.3	61.3	59.8	56.8	51.9
87.5°	22.7	23.7	24.2	19.8	17.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)