

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: P289663

Luminaire Tested: **4SSRK-40-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289663  
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-L950-CD1-U  
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4049.7 lumens  
Efficiency: N/A  
Efficacy: 146.2 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

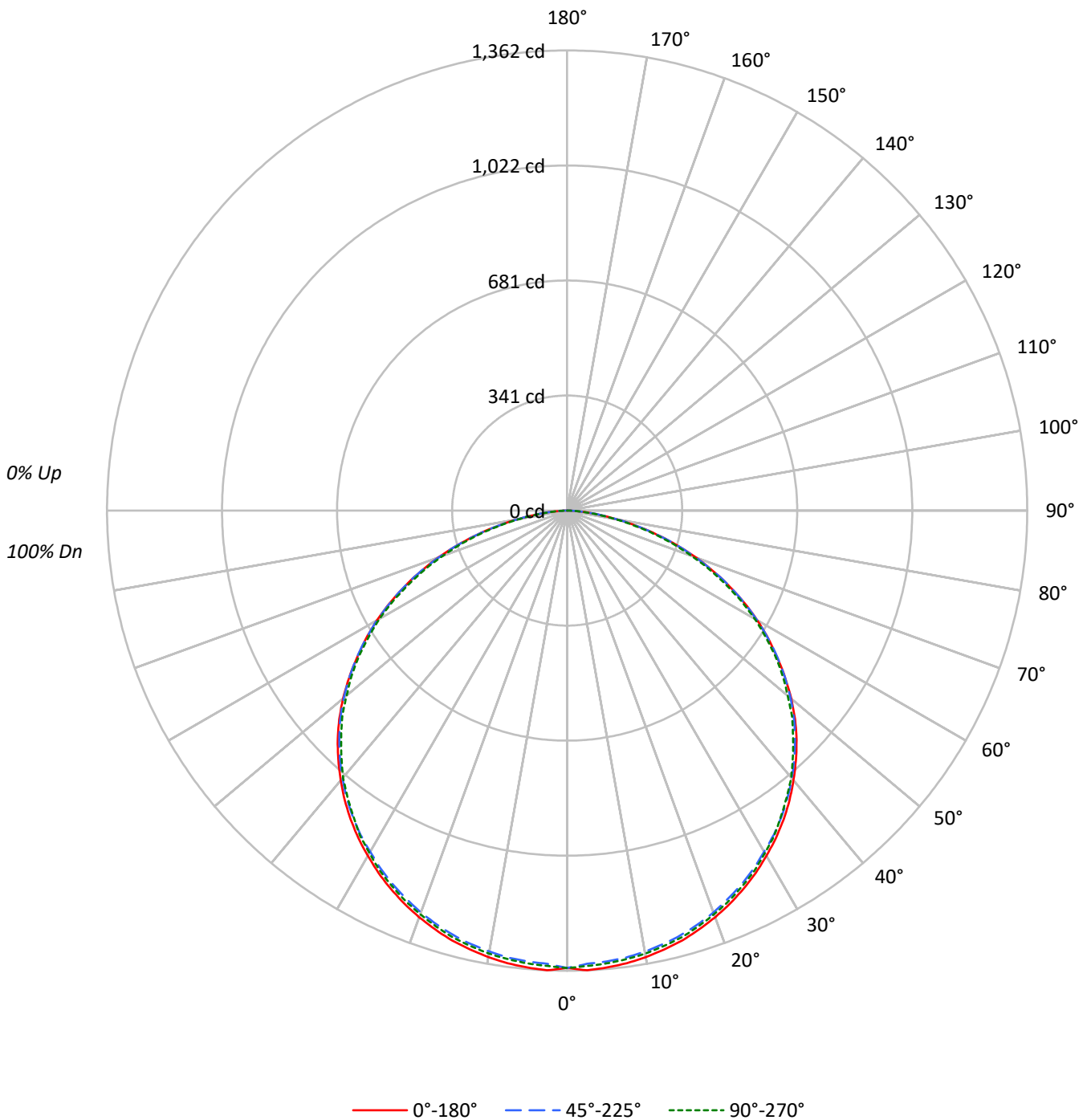
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	87439	87439	87439
5°	87680	69475	64611
10°	87385	57795	51208
15°	87110	49259	42212
20°	86718	42641	35586
25°	86335	37294	30506
30°	85923	32815	26376
35°	85546	29055	22896
40°	84905	25674	19966
45°	84217	22581	17277
50°	82903	19680	14842
55°	80736	16854	12617
60°	78282	14106	10448
65°	74363	11372	8252
70°	68840	8592	6161
75°	59494	5874	4169
80°	45666	3281	2250
85°	27256	1186	741



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.3	3.2
10°-20°	369.7	9.1
20°-30°	566.5	14.0
30°-40°	694.5	17.1
40°-50°	735.7	18.2
50°-60°	678.3	16.8
60°-70°	521.3	12.9
70°-80°	288.9	7.1
80°-90°	66.5	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°	1064.5	26.3
0°-40°	1759.0	43.4
0°-60°	3173.0	78.4
0°-90°	4049.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4049.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1354	1354	1354	1354	1354	
5°	1357	1352	1340	1353	1345	129
15°	1317	1311	1301	1312	1308	372
25°	1235	1231	1221	1233	1227	570
35°	1117	1111	1106	1110	1104	699
45°	960	957	954	952	946	740
55°	760	766	761	758	752	679
65°	530	531	530	523	517	524
75°	276	276	275	270	266	291
85°	54	55	54	51	47	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1353.9	1353.9	1353.9	1353.9	1353.9
2.5°	1361.9	1355.2	1342.8	1355.2	1349.0
5°	1357.4	1351.7	1339.6	1352.6	1345.4
7.5°	1351.2	1346.3	1334.3	1346.8	1339.6
10°	1342.3	1337.0	1325.4	1338.8	1331.6
12.5°	1330.3	1325.4	1314.3	1326.7	1320.5
15°	1317.4	1311.2	1300.9	1312.5	1308.0
17.5°	1299.6	1294.7	1284.5	1295.6	1290.7
20°	1280.9	1276.0	1265.8	1276.9	1271.6
22.5°	1259.5	1254.6	1244.0	1256.0	1250.6
25°	1235.1	1230.6	1220.8	1233.3	1226.6
27.5°	1209.2	1205.7	1195.0	1205.2	1201.2
30°	1179.9	1177.6	1166.1	1174.1	1170.5
32.5°	1150.0	1146.0	1138.0	1144.3	1140.7
35°	1116.7	1111.3	1106.0	1110.0	1103.8
37.5°	1081.1	1077.5	1071.7	1075.3	1068.2
40°	1042.3	1039.2	1034.8	1035.7	1031.7
42.5°	1002.3	998.7	995.2	993.4	988.9
45°	960.5	957.3	953.8	952.4	945.8
47.5°	915.1	912.8	910.6	907.5	902.6
50°	866.1	867.0	863.0	860.3	851.9
52.5°	813.6	818.9	813.1	809.1	804.2
55°	759.7	765.5	760.6	757.5	752.2
57.5°	706.3	709.0	705.9	703.6	696.5
60°	649.8	652.0	649.8	644.9	641.3
62.5°	591.5	594.2	589.7	586.2	581.3
65°	530.1	531.4	530.5	523.4	517.2
67.5°	468.2	470.4	467.8	462.9	456.6
70°	406.3	405.0	402.8	399.2	391.2
72.5°	340.9	340.9	340.5	333.8	329.8
75°	275.5	275.9	274.6	270.2	266.1
77.5°	210.1	215.0	211.4	207.0	202.5
80°	151.8	154.9	151.8	146.0	143.3
82.5°	97.0	101.5	98.8	93.0	92.1
85°	54.3	55.2	53.9	51.2	46.7
87.5°	20.5	21.4	21.8	17.8	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)