

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: P289727

Luminaire Tested: **8SSRK-12-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289727  
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-12-L950-CD1-U  
Description: 12000 LUMEN, 8 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: 11343.2 lumens  
Efficiency: N/A  
Efficacy: 140.2 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

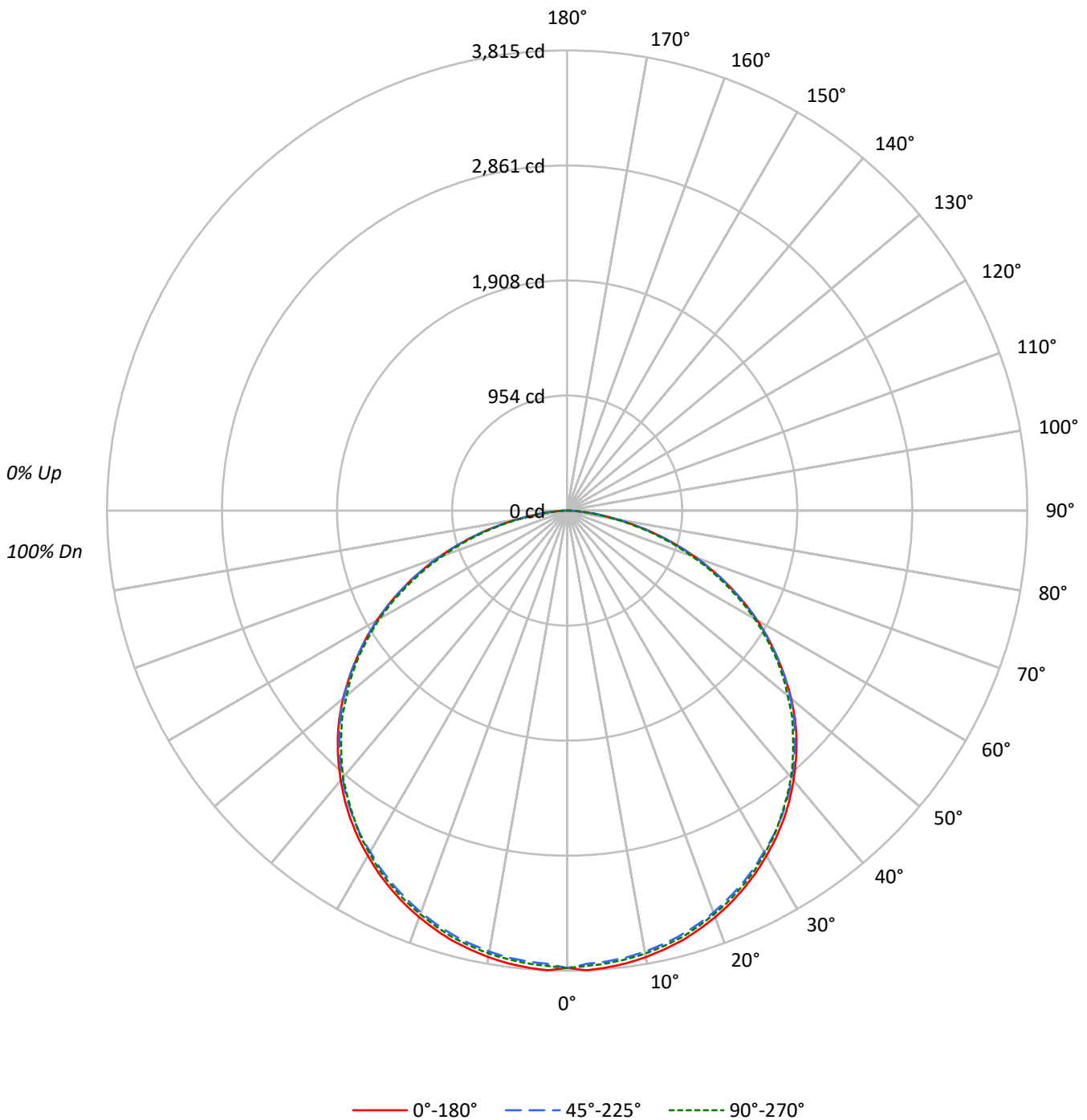
Input Watts (W): 80.8951  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	122456	122456	122456
5°	123023	97402	90489
10°	122831	81081	71719
15°	122674	69143	59119
20°	122363	59874	49836
25°	122072	52385	42724
30°	121762	46105	36940
35°	121527	40832	32065
40°	120957	36087	27962
45°	120346	31745	24195
50°	118917	27672	20785
55°	116342	23702	17670
60°	113454	19841	14634
65°	108592	15998	11556
70°	101644	12089	8629
75°	89335	8266	5839
80°	70698	4616	3152
85°	45515	1668	1038



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.4	3.2
10°-20°	1035.5	9.1
20°-30°	1586.9	14.0
30°-40°	1945.2	17.1
40°-50°	2060.7	18.2
50°-60°	1900.0	16.8
60°-70°	1460.1	12.9
70°-80°	809.3	7.1
80°-90°	186.2	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°	2981.7	26.3
0°-40°	4926.9	43.4
0°-60°	8887.6	78.4
0°-90°	11343.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11343.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3792	3792	3792	3792	3792	
5°	3802	3786	3752	3788	3768	362
15°	3690	3672	3644	3676	3664	1041
25°	3459	3447	3420	3454	3436	1595
35°	3128	3113	3098	3109	3092	1957
45°	2690	2682	2672	2668	2649	2073
55°	2128	2144	2130	2122	2107	1903
65°	1485	1488	1486	1466	1449	1468
75°	772	773	769	757	746	816
85°	152	155	151	143	131	189
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3792.2	3792.2	3792.2	3792.2	3792.2
2.5°	3814.7	3796.0	3761.1	3796.0	3778.5
5°	3802.2	3786.0	3752.3	3788.5	3768.5
7.5°	3784.7	3771.0	3737.4	3772.3	3752.3
10°	3759.8	3744.9	3712.4	3749.8	3729.9
12.5°	3726.2	3712.4	3681.3	3716.2	3698.7
15°	3690.0	3672.5	3643.9	3676.3	3663.8
17.5°	3640.1	3626.4	3597.8	3628.9	3615.2
20°	3587.8	3574.1	3545.4	3576.6	3561.6
22.5°	3527.9	3514.2	3484.3	3518.0	3503.0
25°	3459.4	3446.9	3419.5	3454.4	3435.7
27.5°	3387.1	3377.1	3347.2	3375.9	3364.6
30°	3304.8	3298.6	3266.2	3288.6	3278.6
32.5°	3221.3	3210.1	3187.6	3205.1	3195.1
35°	3127.8	3112.8	3097.9	3109.1	3091.6
37.5°	3028.0	3018.1	3001.9	3011.8	2991.9
40°	2919.6	2910.9	2898.4	2900.9	2889.7
42.5°	2807.4	2797.4	2787.4	2782.5	2770.0
45°	2690.2	2681.5	2671.5	2667.8	2649.1
47.5°	2563.1	2556.8	2550.6	2541.9	2528.1
50°	2425.9	2428.4	2417.2	2409.7	2386.0
52.5°	2278.8	2293.8	2277.6	2266.4	2252.6
55°	2128.0	2144.2	2130.5	2121.8	2106.8
57.5°	1978.4	1985.9	1977.1	1970.9	1951.0
60°	1820.1	1826.3	1820.1	1806.4	1796.4
62.5°	1656.8	1664.2	1651.8	1641.8	1628.1
65°	1484.7	1488.5	1486.0	1466.0	1448.6
67.5°	1311.4	1317.7	1310.2	1296.5	1279.0
70°	1138.2	1134.4	1128.2	1118.2	1095.8
72.5°	954.9	954.9	953.7	935.0	923.7
75°	771.7	772.9	769.2	756.7	745.5
77.5°	588.4	602.1	592.1	579.7	567.2
80°	425.1	433.8	425.1	408.9	401.4
82.5°	271.8	284.2	276.8	260.5	258.1
85°	152.1	154.6	150.8	143.4	130.9
87.5°	57.3	59.8	61.1	49.9	43.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)