

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: P289719

Luminaire Tested: **8SSRK-10-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289719  
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-L950-CD1-U  
Description: 10000 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: 10214.9 lumens  
Efficiency: N/A  
Efficacy: 142.0 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

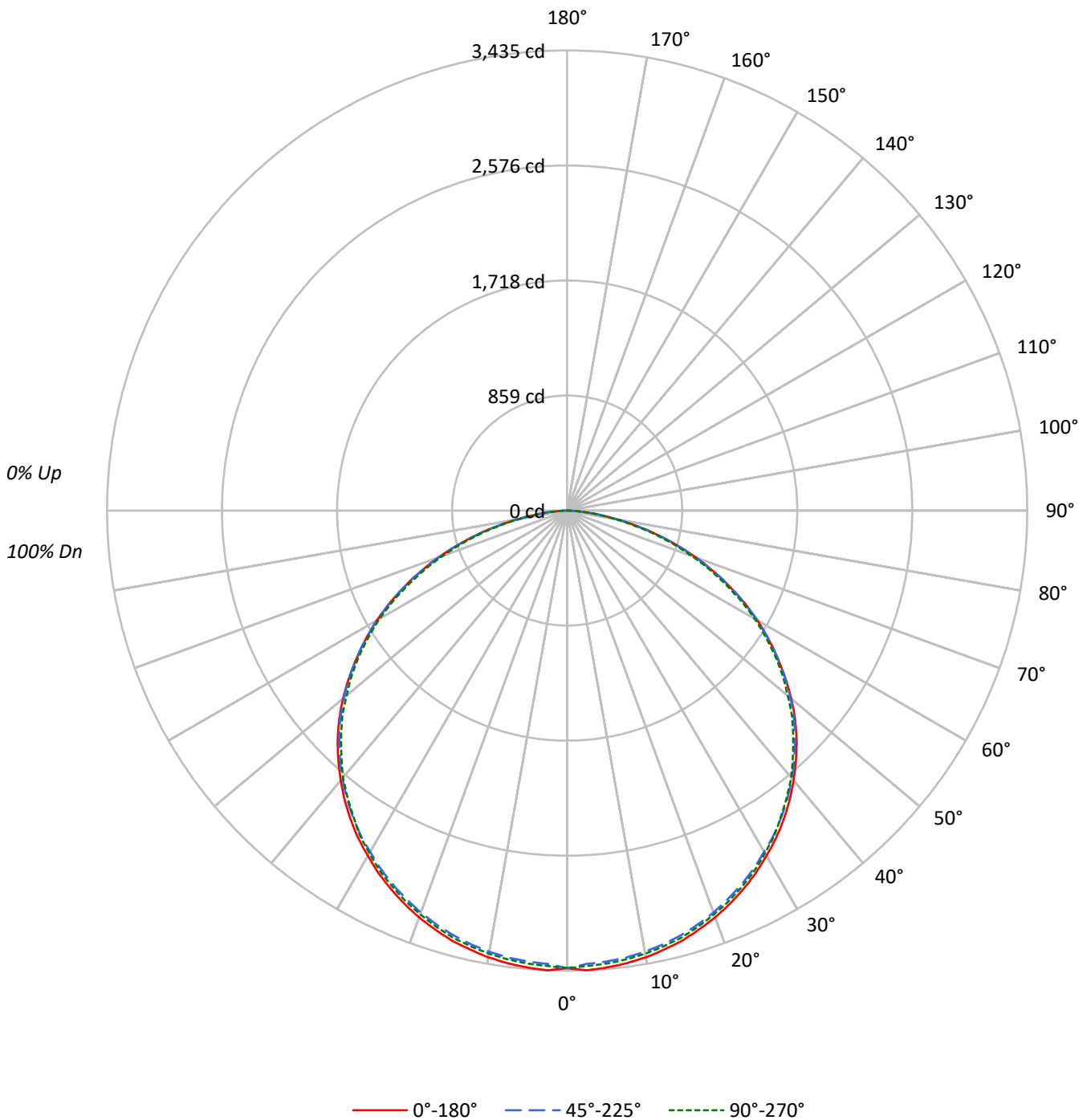
Input Watts (W): 71.9151  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	110275	110275	110275
5°	110786	87715	81489
10°	110613	73017	64585
15°	110473	62265	53239
20°	110191	53920	44878
25°	109929	47175	38475
30°	109651	41519	33266
35°	109440	36770	28876
40°	108926	32497	25180
45°	108375	28587	21789
50°	107088	24920	18717
55°	104768	21345	15912
60°	102165	17867	13178
65°	97789	14407	10407
70°	91535	10886	7771
75°	80444	7443	5258
80°	63663	4157	2838
85°	40997	1502	935



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.6	3.2
10°-20°	932.5	9.1
20°-30°	1429.0	14.0
30°-40°	1751.7	17.1
40°-50°	1855.7	18.2
50°-60°	1711.0	16.8
60°-70°	1314.9	12.9
70°-80°	728.8	7.1
80°-90°	167.7	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°	2685.1	26.3
0°-40°	4436.8	43.4
0°-60°	8003.6	78.4
0°-90°	10214.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10214.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3415	3415	3415	3415	3415	
5°	3424	3409	3379	3412	3394	326
15°	3323	3307	3281	3311	3299	938
25°	3115	3104	3079	3111	3094	1437
35°	2817	2803	2790	2800	2784	1762
45°	2423	2415	2406	2402	2386	1867
55°	1916	1931	1919	1911	1897	1714
65°	1337	1340	1338	1320	1304	1322
75°	695	696	693	681	671	735
85°	137	139	136	129	118	170
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3415.0	3415.0	3415.0	3415.0	3415.0
2.5°	3435.2	3418.4	3387.0	3418.4	3402.7
5°	3424.0	3409.4	3379.1	3411.7	3393.7
7.5°	3408.3	3395.9	3365.6	3397.1	3379.1
10°	3385.8	3372.4	3343.2	3376.9	3358.9
12.5°	3355.5	3343.2	3315.1	3346.6	3330.8
15°	3323.0	3307.3	3281.4	3310.6	3299.4
17.5°	3278.1	3265.7	3239.9	3268.0	3255.6
20°	3230.9	3218.6	3192.8	3220.8	3207.3
22.5°	3177.0	3164.7	3137.7	3168.1	3154.6
25°	3115.3	3104.1	3079.4	3110.8	3094.0
27.5°	3050.2	3041.2	3014.3	3040.1	3030.0
30°	2976.1	2970.5	2941.3	2961.5	2952.5
32.5°	2900.9	2890.8	2870.6	2886.3	2877.3
35°	2816.7	2803.2	2789.7	2799.8	2784.1
37.5°	2726.9	2717.9	2703.3	2712.3	2694.3
40°	2629.2	2621.3	2610.1	2612.4	2602.2
42.5°	2528.2	2519.2	2510.2	2505.7	2494.5
45°	2422.6	2414.8	2405.8	2402.4	2385.6
47.5°	2308.1	2302.5	2296.9	2289.0	2276.7
50°	2184.6	2186.9	2176.8	2170.0	2148.7
52.5°	2052.2	2065.6	2051.0	2040.9	2028.6
55°	1916.3	1930.9	1918.6	1910.7	1897.2
57.5°	1781.6	1788.3	1780.5	1774.9	1756.9
60°	1639.0	1644.6	1639.0	1626.7	1617.7
62.5°	1492.0	1498.7	1487.5	1478.5	1466.2
65°	1337.0	1340.4	1338.2	1320.2	1304.5
67.5°	1181.0	1186.6	1179.9	1167.5	1151.8
70°	1025.0	1021.6	1016.0	1007.0	986.8
72.5°	859.9	859.9	858.8	842.0	831.9
75°	694.9	696.0	692.7	681.4	671.3
77.5°	529.9	542.2	533.2	522.0	510.8
80°	382.8	390.7	382.8	368.2	361.5
82.5°	244.7	256.0	249.2	234.6	232.4
85°	137.0	139.2	135.8	129.1	117.9
87.5°	51.6	53.9	55.0	44.9	39.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)