

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: P289679

Luminaire Tested: **4SSRK-80-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289679
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-80-L950-CD1-U
Description: 8000 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: 8198.2 lumens
Efficiency: N/A
Efficacy: 130.3 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

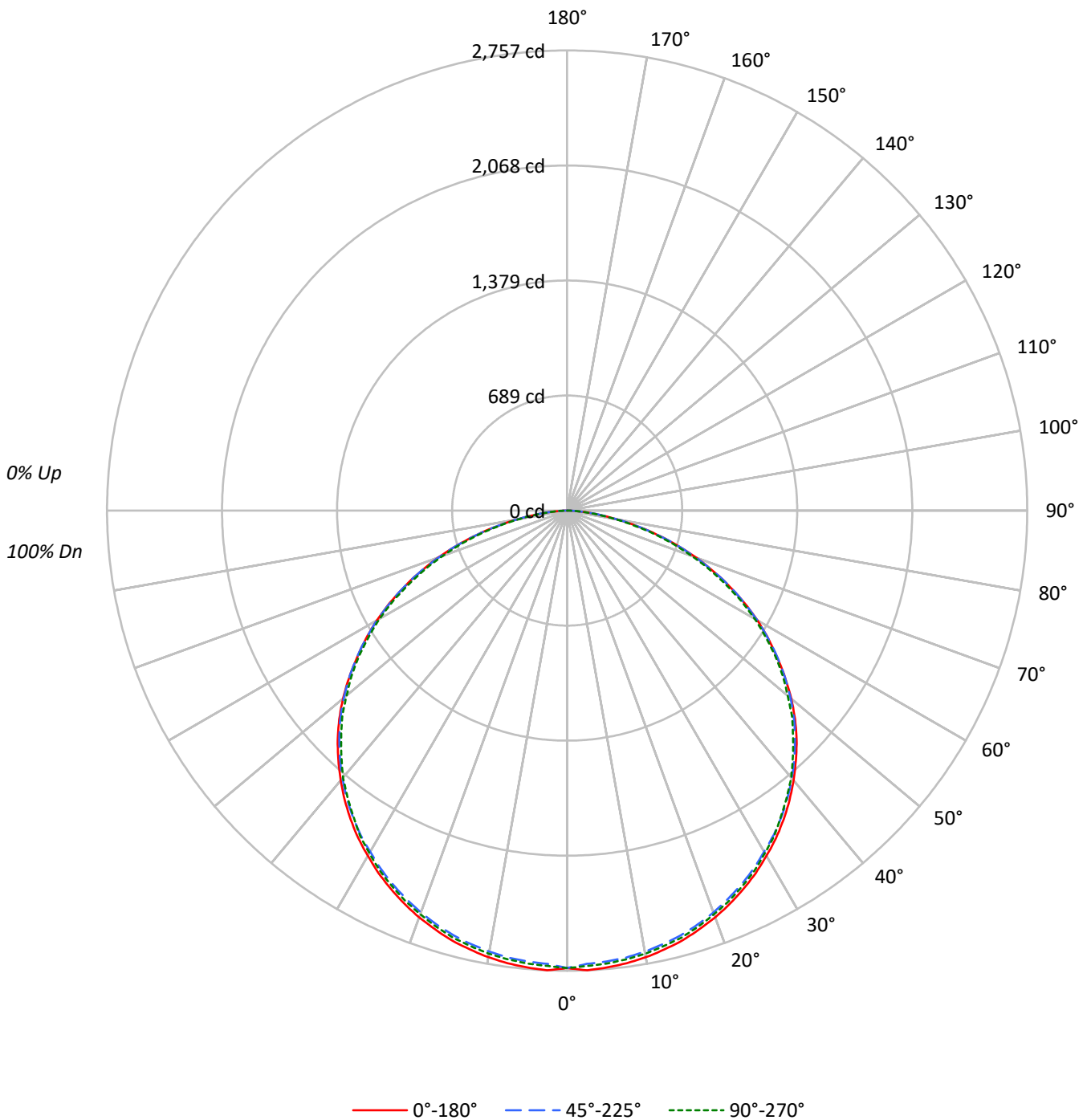
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	177009	177009	177009
5°	177505	140651	130802
10°	176905	117002	103670
15°	176350	99722	85457
20°	175556	86320	72036
25°	174774	75498	61756
30°	173936	66430	53397
35°	173176	58820	46351
40°	171887	51973	40418
45°	170486	45711	34974
50°	167826	39839	30044
55°	163448	34119	25542
60°	158480	28558	21152
65°	150536	23023	16705
70°	139375	17394	12473
75°	120435	11891	8441
80°	92415	6640	4555
85°	55164	2399	1500



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.7	3.2
10°-20°	748.4	9.1
20°-30°	1146.9	14.0
30°-40°	1405.9	17.1
40°-50°	1489.3	18.2
50°-60°	1373.2	16.8
60°-70°	1055.3	12.9
70°-80°	584.9	7.1
80°-90°	134.5	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°	2155.0	26.3
0°-40°	3560.9	43.4
0°-60°	6423.5	78.4
0°-90°	8198.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8198.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2741	2741	2741	2741	2741	
5°	2748	2736	2712	2738	2724	261
15°	2667	2654	2634	2657	2648	753
25°	2500	2491	2471	2497	2483	1153
35°	2261	2250	2239	2247	2234	1414
45°	1944	1938	1931	1928	1915	1498
55°	1538	1550	1540	1534	1523	1375
65°	1073	1076	1074	1060	1047	1061
75°	558	559	556	547	539	590
85°	110	112	109	104	95	136
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2740.8	2740.8	2740.8	2740.8	2740.8
2.5°	2757.1	2743.5	2718.3	2743.5	2730.9
5°	2748.0	2736.3	2712.0	2738.1	2723.7
7.5°	2735.4	2725.5	2701.2	2726.4	2712.0
10°	2717.4	2706.6	2683.2	2710.2	2695.8
12.5°	2693.1	2683.2	2660.6	2685.9	2673.3
15°	2667.0	2654.3	2633.6	2657.0	2648.0
17.5°	2630.9	2621.0	2600.3	2622.8	2612.9
20°	2593.1	2583.2	2562.4	2585.0	2574.1
22.5°	2549.8	2539.9	2518.3	2542.6	2531.8
25°	2500.3	2491.3	2471.4	2496.7	2483.1
27.5°	2448.0	2440.8	2419.2	2439.9	2431.8
30°	2388.5	2384.0	2360.6	2376.8	2369.6
32.5°	2328.2	2320.1	2303.8	2316.5	2309.3
35°	2260.6	2249.8	2239.0	2247.1	2234.5
37.5°	2188.5	2181.3	2169.6	2176.8	2162.4
40°	2110.1	2103.8	2094.8	2096.6	2088.5
42.5°	2029.0	2021.8	2014.6	2011.0	2002.0
45°	1944.4	1938.0	1930.8	1928.1	1914.6
47.5°	1852.4	1847.9	1843.4	1837.1	1827.2
50°	1753.3	1755.1	1747.0	1741.6	1724.5
52.5°	1647.0	1657.8	1646.1	1638.0	1628.1
55°	1538.0	1549.7	1539.8	1533.5	1522.7
57.5°	1429.9	1435.3	1429.0	1424.5	1410.1
60°	1315.5	1320.0	1315.5	1305.5	1298.3
62.5°	1197.4	1202.8	1193.8	1186.6	1176.7
65°	1073.1	1075.8	1074.0	1059.6	1047.0
67.5°	947.8	952.4	946.9	937.0	924.4
70°	822.6	819.9	815.4	808.2	792.0
72.5°	690.2	690.2	689.3	675.7	667.6
75°	557.7	558.6	555.9	546.9	538.8
77.5°	425.3	435.2	428.0	419.0	410.0
80°	307.2	313.5	307.2	295.5	290.1
82.5°	196.4	205.4	200.0	188.3	186.5
85°	109.9	111.7	109.0	103.6	94.6
87.5°	41.4	43.2	44.1	36.0	31.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)