

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: P289647

Luminaire Tested: **4SSRK-20-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289647
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-20-L950-CD1-U
Description: 2000 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: 2014.1 lumens
Efficiency: N/A
Efficacy: 147.0 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

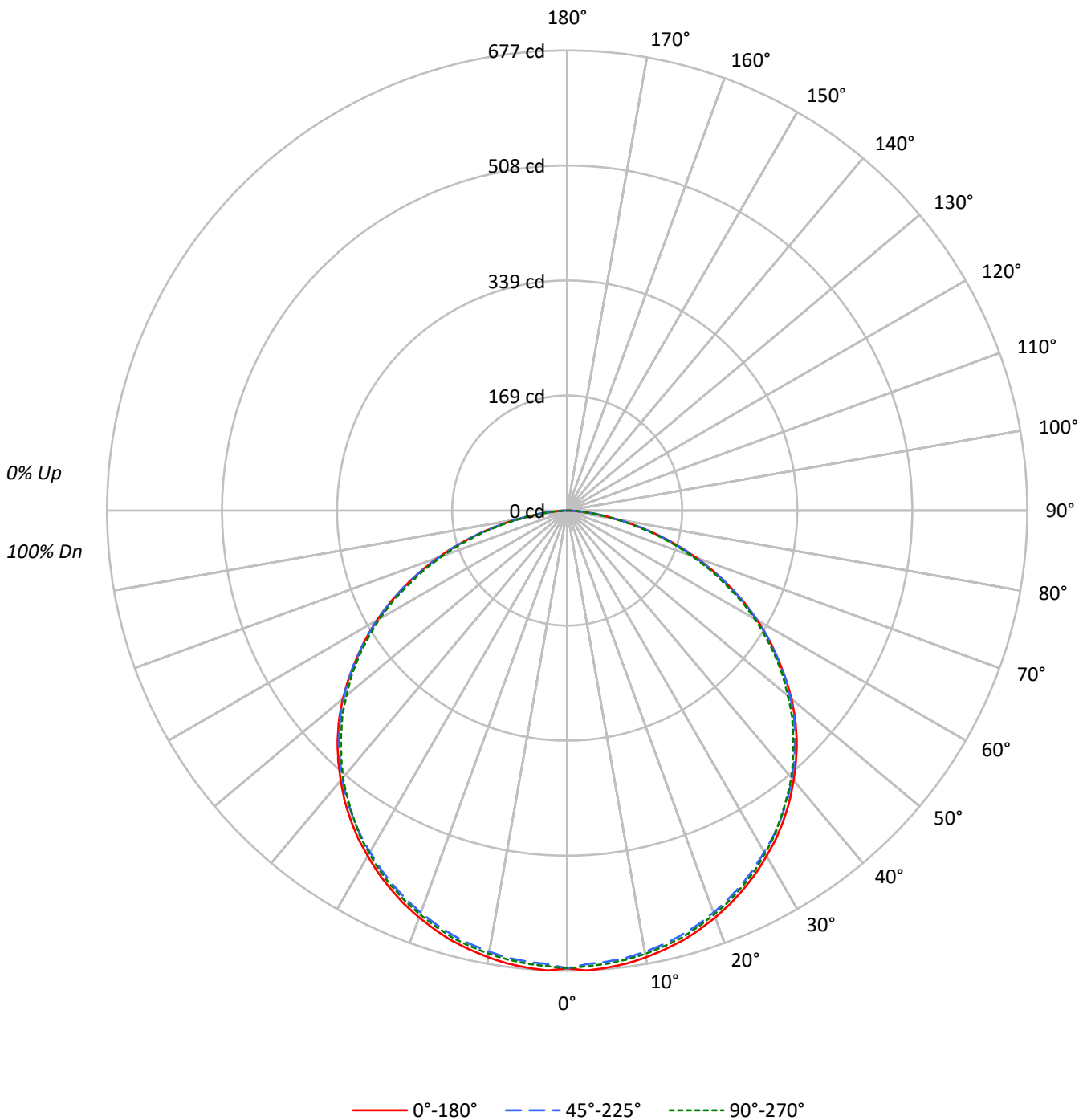
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	43490	43490	43490
5°	43608	34556	32137
10°	43461	28745	25469
15°	43324	24499	20996
20°	43132	21206	17698
25°	42940	18549	15173
30°	42732	16322	13119
35°	42547	14452	11388
40°	42228	12770	9930
45°	41885	11231	8593
50°	41236	9788	7382
55°	40161	8383	6275
60°	38936	7016	5197
65°	36978	5657	4104
70°	34242	4273	3065
75°	29585	2922	2074
80°	22713	1632	1120
85°	13553	590	368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	3.2
10°-20°	183.9	9.1
20°-30°	281.8	14.0
30°-40°	345.4	17.1
40°-50°	365.9	18.2
50°-60°	337.4	16.8
60°-70°	259.3	12.9
70°-80°	143.7	7.1
80°-90°	33.1	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°	529.4	26.3
0°-40°	874.8	43.4
0°-60°	1578.1	78.4
0°-90°	2014.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2014.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	673	673	673	673	673	
5°	675	672	666	673	669	64
15°	655	652	647	653	651	185
25°	614	612	607	613	610	283
35°	555	553	550	552	549	347
45°	478	476	474	474	470	368
55°	378	381	378	377	374	338
65°	264	264	264	260	257	261
75°	137	137	137	134	132	145
85°	27	27	27	26	23	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	673.4	673.4	673.4	673.4	673.4
2.5°	677.4	674.0	667.8	674.0	670.9
5°	675.1	672.3	666.3	672.7	669.2
7.5°	672.0	669.6	663.6	669.8	666.3
10°	667.6	665.0	659.2	665.8	662.3
12.5°	661.6	659.2	653.7	659.9	656.8
15°	655.2	652.1	647.0	652.8	650.6
17.5°	646.4	643.9	638.8	644.4	641.9
20°	637.1	634.6	629.5	635.1	632.4
22.5°	626.4	624.0	618.7	624.7	622.0
25°	614.3	612.1	607.2	613.4	610.1
27.5°	601.4	599.7	594.3	599.4	597.4
30°	586.8	585.7	580.0	583.9	582.2
32.5°	572.0	570.0	566.0	569.1	567.3
35°	555.4	552.7	550.1	552.1	549.0
37.5°	537.7	535.9	533.0	534.8	531.3
40°	518.4	516.9	514.7	515.1	513.1
42.5°	498.5	496.7	495.0	494.1	491.9
45°	477.7	476.1	474.4	473.7	470.4
47.5°	455.1	454.0	452.9	451.3	448.9
50°	430.8	431.2	429.2	427.9	423.7
52.5°	404.6	407.3	404.4	402.4	400.0
55°	377.9	380.7	378.3	376.7	374.1
57.5°	351.3	352.6	351.1	350.0	346.4
60°	323.2	324.3	323.2	320.7	319.0
62.5°	294.2	295.5	293.3	291.5	289.1
65°	263.6	264.3	263.9	260.3	257.2
67.5°	232.9	234.0	232.6	230.2	227.1
70°	202.1	201.4	200.3	198.6	194.6
72.5°	169.6	169.6	169.3	166.0	164.0
75°	137.0	137.2	136.6	134.4	132.4
77.5°	104.5	106.9	105.1	102.9	100.7
80°	75.5	77.0	75.5	72.6	71.3
82.5°	48.3	50.5	49.1	46.3	45.8
85°	27.0	27.4	26.8	25.5	23.2
87.5°	10.2	10.6	10.8	8.9	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)