

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: P289655

Luminaire Tested: **4SSRK-30-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289655
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-30-L950-CD1-U
Description: 3000 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: 3045.7 lumens
Efficiency: N/A
Efficacy: 149.3 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

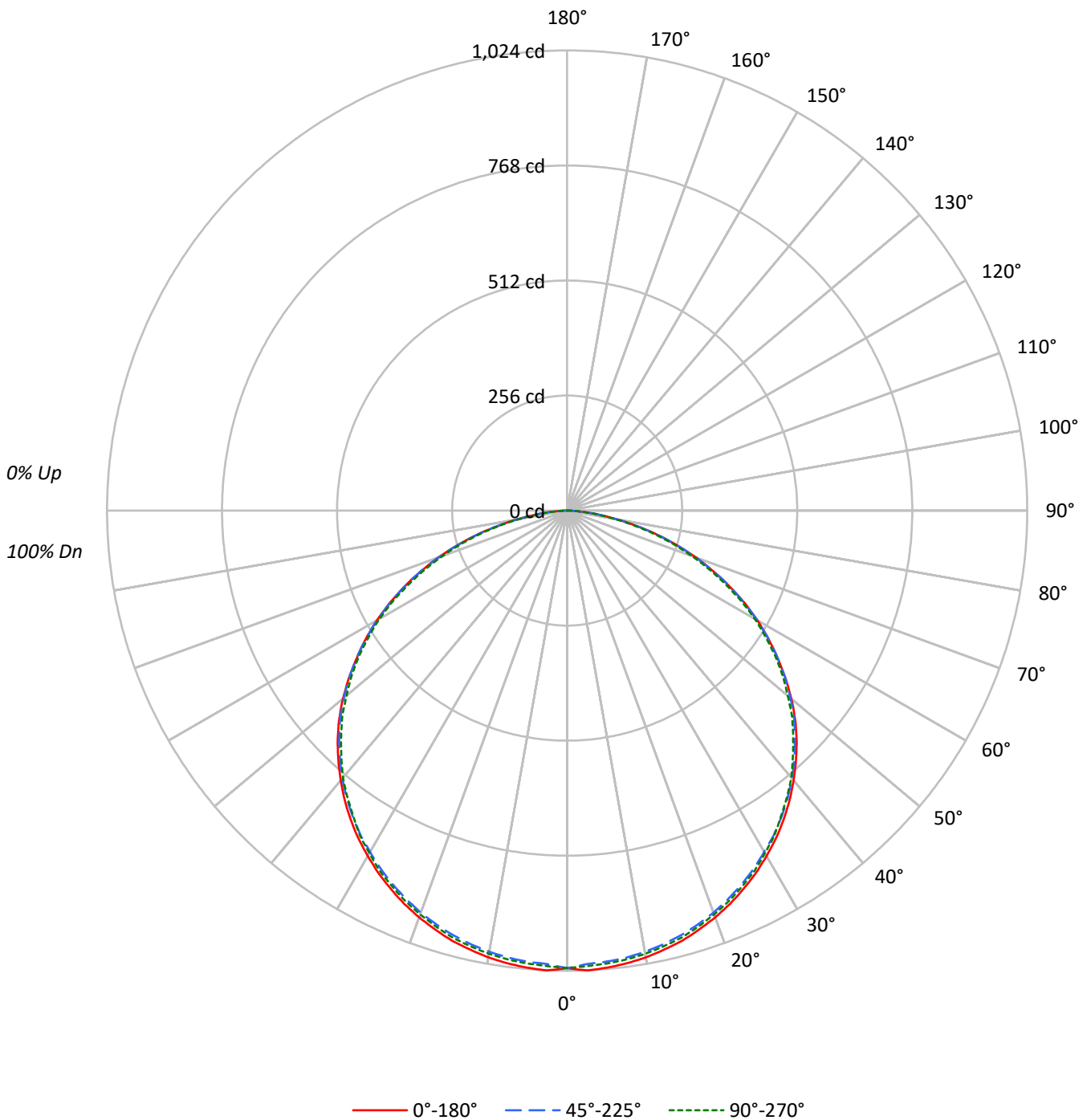
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	65758	65758	65758
5°	65944	52251	48595
10°	65719	43466	38514
15°	65515	37047	31749
20°	65216	32070	26762
25°	64931	28047	22943
30°	64622	24680	19837
35°	64334	21852	17219
40°	63856	19308	15016
45°	63332	16982	12993
50°	62352	14800	11162
55°	60724	12675	9489
60°	58874	10609	7858
65°	55930	8553	6205
70°	51778	6461	4633
75°	44745	4417	3136
80°	34325	2466	1693
85°	20480	891	557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	3.2
10°-20°	278.0	9.1
20°-30°	426.1	14.0
30°-40°	522.3	17.1
40°-50°	553.3	18.2
50°-60°	510.2	16.8
60°-70°	392.0	12.9
70°-80°	217.3	7.1
80°-90°	50.0	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°	800.6	26.3
0°-40°	1322.9	43.4
0°-60°	2386.3	78.4
0°-90°	3045.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3045.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1021	1017	1008	1017	1012	97
15°	991	986	978	987	984	280
25°	929	926	918	928	922	428
35°	840	836	832	835	830	525
45°	722	720	717	716	711	557
55°	571	576	572	570	566	511
65°	399	400	399	394	389	394
75°	207	208	206	203	200	219
85°	41	42	40	38	35	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1018.2	1018.2	1018.2	1018.2	1018.2
2.5°	1024.3	1019.2	1009.9	1019.2	1014.5
5°	1020.9	1016.6	1007.5	1017.2	1011.9
7.5°	1016.2	1012.5	1003.5	1012.9	1007.5
10°	1009.5	1005.5	996.8	1006.8	1001.5
12.5°	1000.5	996.8	988.4	997.8	993.1
15°	990.8	986.1	978.4	987.1	983.8
17.5°	977.4	973.7	966.0	974.4	970.7
20°	963.3	959.7	952.0	960.3	956.3
22.5°	947.3	943.6	935.6	944.6	940.6
25°	928.9	925.5	918.1	927.5	922.5
27.5°	909.4	906.8	898.7	906.4	903.4
30°	887.4	885.7	877.0	883.0	880.3
32.5°	864.9	861.9	855.9	860.6	857.9
35°	839.8	835.8	831.8	834.8	830.1
37.5°	813.0	810.4	806.0	808.7	803.3
40°	783.9	781.6	778.2	778.9	775.9
42.5°	753.8	751.1	748.4	747.1	743.8
45°	722.3	720.0	717.3	716.3	711.3
47.5°	688.2	686.5	684.8	682.5	678.8
50°	651.4	652.0	649.0	647.0	640.7
52.5°	611.9	615.9	611.5	608.5	604.8
55°	571.4	575.7	572.0	569.7	565.7
57.5°	531.2	533.2	530.9	529.2	523.8
60°	488.7	490.4	488.7	485.0	482.3
62.5°	444.8	446.9	443.5	440.8	437.1
65°	398.7	399.7	399.0	393.6	388.9
67.5°	352.1	353.8	351.8	348.1	343.4
70°	305.6	304.6	302.9	300.2	294.2
72.5°	256.4	256.4	256.1	251.0	248.0
75°	207.2	207.5	206.5	203.2	200.2
77.5°	158.0	161.7	159.0	155.6	152.3
80°	114.1	116.5	114.1	109.8	107.8
82.5°	73.0	76.3	74.3	70.0	69.3
85°	40.8	41.5	40.5	38.5	35.1
87.5°	15.4	16.1	16.4	13.4	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)