

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: P290261

Luminaire Tested: **4SSRK-SLC-20-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-16)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-SLC-20-L935-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

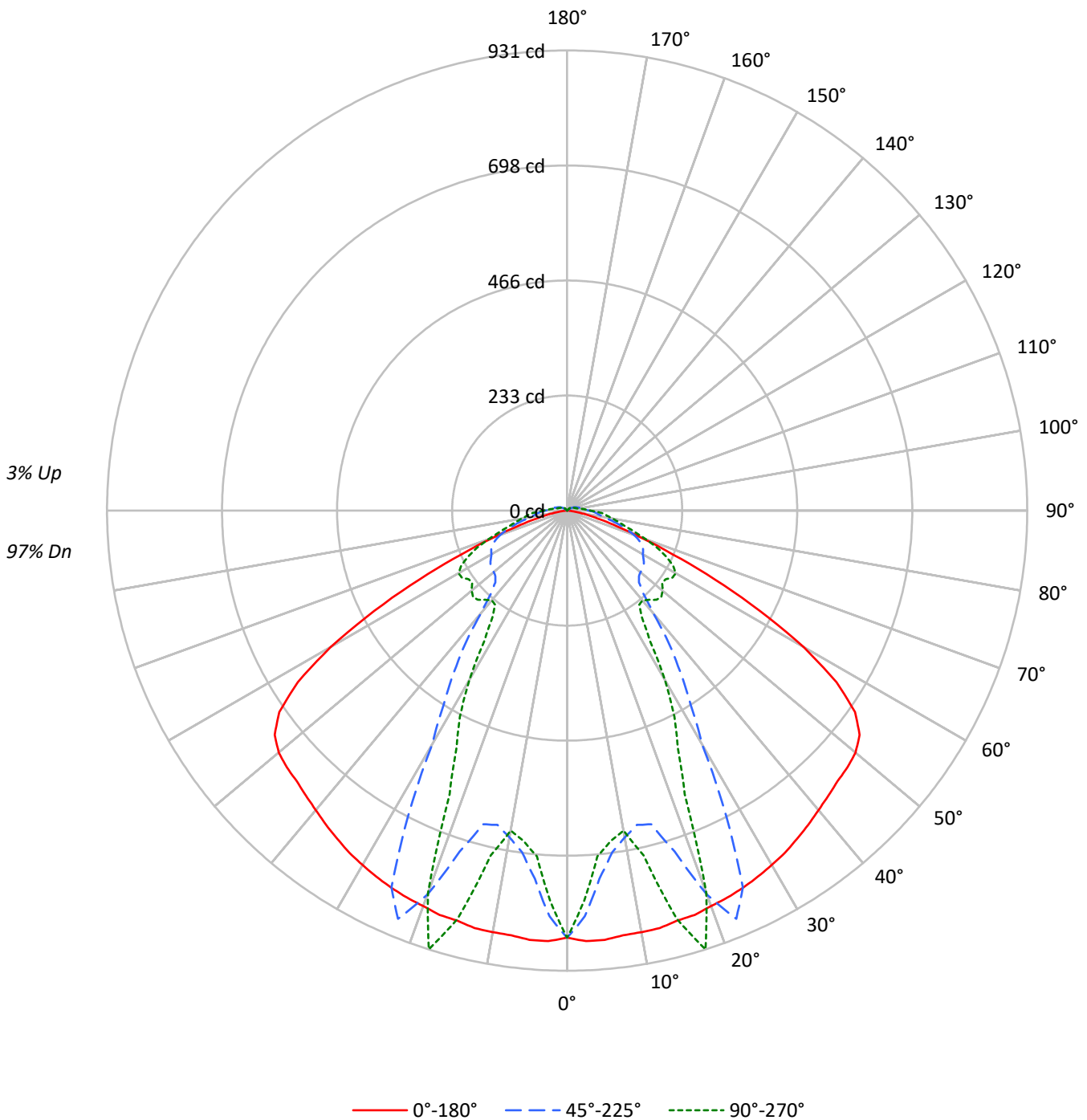
Lumens per Lamp: N/A
Luminaire Lumens: 1816.9 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	108	103	99	95	105	101	97	93	96	93	90	91	89	87	87	85	83	81
2	99	91	84	79	96	89	83	78	85	80	75	81	77	73	77	74	71	69
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	65	61	59
4	84	72	64	57	81	71	63	57	68	61	56	65	59	54	62	57	53	51
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	51	47	45
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	45	40	65	53	45	39	51	44	39	49	43	38	48	42	38	36
8	62	49	41	36	61	49	41	35	47	40	35	46	39	35	44	38	34	32
9	58	46	38	32	57	45	37	32	44	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	34	30	40	34	29	39	33	29	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	55806	55806	55806
5°	56313	38772	33727
10°	56384	29272	25277
15°	56786	24874	27557
20°	57647	27863	23035
25°	58843	25695	13156
30°	60297	15385	8912
35°	62105	10477	5455
40°	64434	6736	4587
45°	67865	4872	4664
50°	72900	4415	4397
55°	75550	4203	4068
60°	66549	3838	4133
65°	46237	3610	3536
70°	26584	3070	2658
75°	14857	2319	1891
80°	8183	1636	1462
85°	3664	1314	1197



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	4.0
10°-20°	215.6	11.9
20°-30°	317.3	17.5
30°-40°	310.0	17.1
40°-50°	257.0	14.1
50°-60°	235.9	13.0
60°-70°	187.0	10.3
70°-80°	103.8	5.7
80°-90°	55.0	3.0
90°-100°	28.9	1.6
100°-110°	17.4	1.0
110°-120°	9.9	0.5
120°-130°	5.5	0.3
130°-140°	1.7	0.1
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°	604.7	33.3
0°-40°	914.7	50.3
0°-60°	1407.6	77.5
0°-90°	1753.4	96.5
90°-120°	56.2	3.1
90°-150°	63.5	3.5
90°-180°	64.0	3.5
0°-180°	1816.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	864	864	864	864	864	
5°	872	823	748	716	702	83
15°	859	686	657	804	854	244
25°	842	655	841	574	529	389
35°	811	782	399	285	263	509
45°	774	354	206	235	255	600
55°	711	158	190	227	242	617
65°	330	102	168	214	222	334
75°	69	62	108	116	121	82
85°	7	31	60	72	76	10
90°	0	22	44	48	47	0
95°	0	18	34	35	34	0
105°	0	12	24	20	18	0
115°	0	1	15	15	14	0
125°	0	0	7	11	11	0
135°	0	0	0	5	6	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	864.1	864.1	864.1	864.1	864.1
2.5°	871.8	856.2	821.5	797.9	790.0
5°	871.8	822.9	747.6	715.7	702.3
7.5°	866.5	780.7	697.1	683.3	674.5
10°	866.1	735.6	671.3	659.7	657.3
12.5°	865.1	710.7	651.4	692.4	714.5
15°	858.8	685.9	656.9	804.4	853.9
17.5°	857.8	667.4	723.4	910.1	931.0
20°	851.5	652.8	827.1	896.7	823.1
22.5°	847.4	642.7	893.9	721.4	621.2
25°	841.8	654.9	841.1	573.5	529.0
27.5°	835.3	694.0	697.3	499.2	469.8
30°	828.0	755.3	546.7	436.3	395.5
32.5°	820.6	800.2	465.3	358.2	310.3
35°	810.7	781.7	398.8	284.9	263.0
37.5°	801.4	696.5	338.1	246.0	239.7
40°	791.0	561.1	271.5	230.5	237.0
42.5°	782.3	444.8	228.1	228.9	244.9
45°	774.0	353.5	205.8	234.8	255.3
47.5°	769.1	281.1	196.8	241.9	258.3
50°	761.6	225.3	193.6	243.3	252.4
52.5°	745.8	185.7	192.6	235.8	242.1
55°	710.9	157.5	189.7	227.3	242.5
57.5°	646.5	140.0	183.2	229.1	252.4
60°	552.4	126.4	176.8	235.0	253.7
62.5°	439.5	114.0	173.3	230.1	241.7
65°	329.6	102.3	168.4	213.7	221.6
67.5°	230.7	92.1	157.5	193.2	197.5
70°	156.9	82.4	143.9	167.0	168.8
72.5°	105.5	72.6	127.0	140.0	142.9
75°	68.8	62.3	108.4	115.7	120.7
77.5°	43.8	53.0	89.9	99.2	105.7
80°	27.2	43.8	75.7	89.1	93.1
82.5°	15.2	36.5	65.5	79.5	81.8
85°	7.3	30.6	59.7	72.4	75.5
87.5°	1.8	26.0	52.6	60.1	60.1
90°	0.2	22.3	43.6	47.7	47.3
92.5°	0.2	19.7	37.9	40.6	39.8
95°	0.4	17.7	33.9	35.3	33.7
97.5°	0.4	16.6	31.3	30.2	27.8
100°	0.4	15.4	28.4	25.8	23.1
102.5°	0.4	13.8	26.0	22.7	20.5
105°	0.4	11.8	23.7	20.5	18.5
107.5°	0.4	9.3	21.3	18.7	17.0
110°	0.4	6.7	19.1	17.2	16.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	4.1	17.2	16.0	15.0
115°	0.4	1.4	15.4	14.6	13.6
117.5°	0.4	0.6	13.6	14.0	12.8
120°	0.4	0.6	11.4	13.2	12.2
122.5°	0.4	0.6	9.3	12.4	11.8
125°	0.4	0.4	7.1	11.4	11.2
127.5°	0.4	0.4	4.9	9.9	10.3
130°	0.4	0.4	2.4	8.1	9.1
132.5°	0.4	0.4	0.4	6.7	7.5
135°	0.4	0.4	0.4	4.9	6.1
137.5°	0.4	0.4	0.4	2.4	4.5
140°	0.4	0.4	0.4	0.4	1.8
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)