

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: P290262

Luminaire Tested: **4SSRK-SLC-20-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290262
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-L940-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

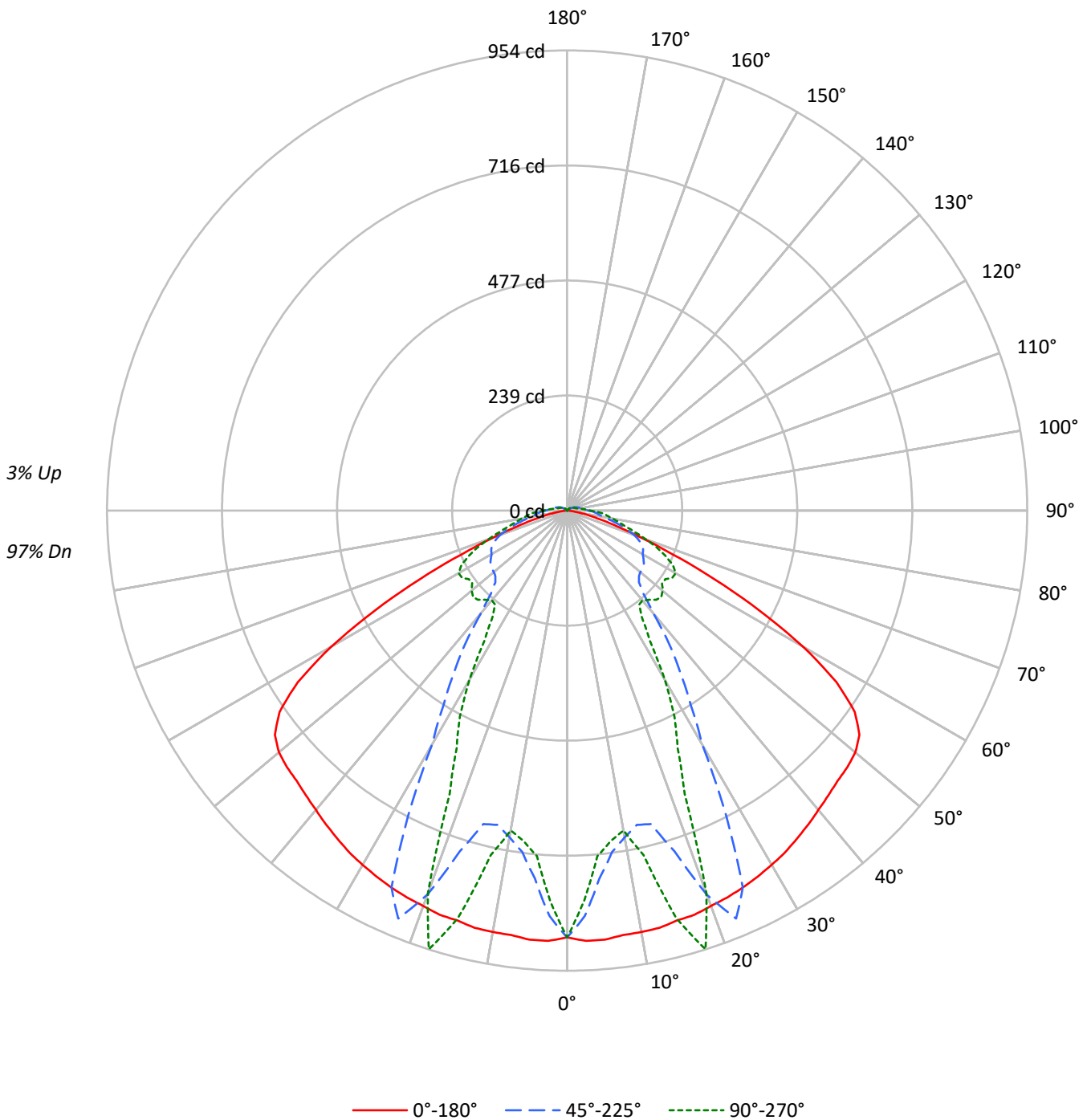
Lumens per Lamp: N/A
Luminaire Lumens: 1860.9 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

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°	57156	57156	57156
5°	57676	39711	34548
10°	57751	29983	25889
15°	58162	25476	28225
20°	59042	28540	23591
25°	60262	26318	13477
30°	61753	15756	9129
35°	63606	10729	5588
40°	65998	6900	4699
45°	69505	4991	4777
50°	74662	4522	4505
55°	77377	4305	4167
60°	68163	3929	4233
65°	47345	3698	3622
70°	27228	3144	2723
75°	15224	2374	1938
80°	8393	1675	1498
85°	3765	1345	1226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	4.0
10°-20°	220.8	11.9
20°-30°	325.0	17.5
30°-40°	317.5	17.1
40°-50°	263.2	14.1
50°-60°	241.7	13.0
60°-70°	191.5	10.3
70°-80°	106.3	5.7
80°-90°	56.3	3.0
90°-100°	29.6	1.6
100°-110°	17.8	1.0
110°-120°	10.2	0.5
120°-130°	5.6	0.3
130°-140°	1.8	0.1
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	619.4	33.3
0°-40°	936.9	50.3
0°-60°	1441.7	77.5
0°-90°	1795.9	96.5
90°-120°	57.6	3.1
90°-150°	65.1	3.5
90°-180°	65.0	3.5
0°-180°	1860.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	885	885	885	885	885	
5°	893	843	766	733	719	85
15°	880	702	673	824	875	250
25°	862	671	862	587	542	398
35°	830	801	408	292	269	521
45°	793	362	211	240	262	615
55°	728	161	194	233	248	632
65°	338	105	172	219	227	342
75°	70	64	111	118	124	84
85°	8	31	61	74	77	10
90°	0	23	45	49	48	0
95°	0	18	35	36	34	0
105°	0	12	24	21	19	0
115°	0	2	16	15	14	0
125°	0	0	7	12	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°	885.0	885.0	885.0	885.0	885.0
2.5°	892.9	876.9	841.4	817.2	809.1
5°	892.9	842.8	765.7	733.1	719.4
7.5°	887.5	799.6	713.9	699.8	690.9
10°	887.1	753.4	687.6	675.7	673.2
12.5°	886.0	727.9	667.2	709.2	731.8
15°	879.6	702.5	672.8	823.9	874.6
17.5°	878.6	683.6	741.0	932.2	953.6
20°	872.1	668.6	847.2	918.5	843.0
22.5°	868.0	658.2	915.6	738.9	636.2
25°	862.1	670.7	861.5	587.4	541.9
27.5°	855.5	710.8	714.2	511.3	481.2
30°	848.0	773.6	559.9	446.9	405.1
32.5°	840.5	819.5	476.6	366.8	317.8
35°	830.3	800.6	408.4	291.8	269.4
37.5°	820.8	713.3	346.3	251.9	245.5
40°	810.2	574.7	278.1	236.1	242.8
42.5°	801.2	455.6	233.6	234.4	250.9
45°	792.7	362.1	210.8	240.5	261.5
47.5°	787.7	287.9	201.6	247.8	264.6
50°	780.0	230.7	198.3	249.2	258.6
52.5°	763.8	190.2	197.2	241.5	248.0
55°	728.1	161.3	194.3	232.8	248.4
57.5°	662.2	143.4	187.7	234.7	258.6
60°	565.8	129.5	181.0	240.7	259.8
62.5°	450.2	116.8	177.5	235.7	247.5
65°	337.5	104.8	172.5	218.9	227.0
67.5°	236.3	94.4	161.3	197.9	202.2
70°	160.7	84.4	147.4	171.1	172.9
72.5°	108.1	74.4	130.1	143.4	146.3
75°	70.5	63.8	111.0	118.5	123.7
77.5°	44.9	54.2	92.1	101.6	108.3
80°	27.9	44.9	77.5	91.2	95.4
82.5°	15.6	37.4	67.1	81.5	83.8
85°	7.5	31.4	61.1	74.2	77.3
87.5°	1.9	26.6	53.8	61.5	61.5
90°	0.2	22.9	44.7	48.8	48.4
92.5°	0.2	20.2	38.9	41.6	40.7
95°	0.4	18.1	34.7	36.2	34.5
97.5°	0.4	17.0	32.0	31.0	28.5
100°	0.4	15.8	29.1	26.4	23.7
102.5°	0.4	14.1	26.6	23.3	21.0
105°	0.4	12.1	24.3	21.0	18.9
107.5°	0.4	9.6	21.8	19.1	17.5
110°	0.4	6.9	19.5	17.7	16.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	4.2	17.7	16.4	15.4
115°	0.4	1.5	15.8	15.0	13.9
117.5°	0.4	0.6	13.9	14.3	13.1
120°	0.4	0.6	11.6	13.5	12.5
122.5°	0.4	0.6	9.6	12.7	12.1
125°	0.4	0.4	7.3	11.6	11.4
127.5°	0.4	0.4	5.0	10.2	10.6
130°	0.4	0.4	2.5	8.3	9.4
132.5°	0.4	0.4	0.4	6.9	7.7
135°	0.4	0.4	0.4	5.0	6.2
137.5°	0.4	0.4	0.4	2.5	4.6
140°	0.4	0.4	0.4	0.4	1.9
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)