

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: P290263

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290263
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-L950-CD1-U
Description: 2000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1981.9 lumens
Efficiency: N/A
Efficacy: 144.7 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

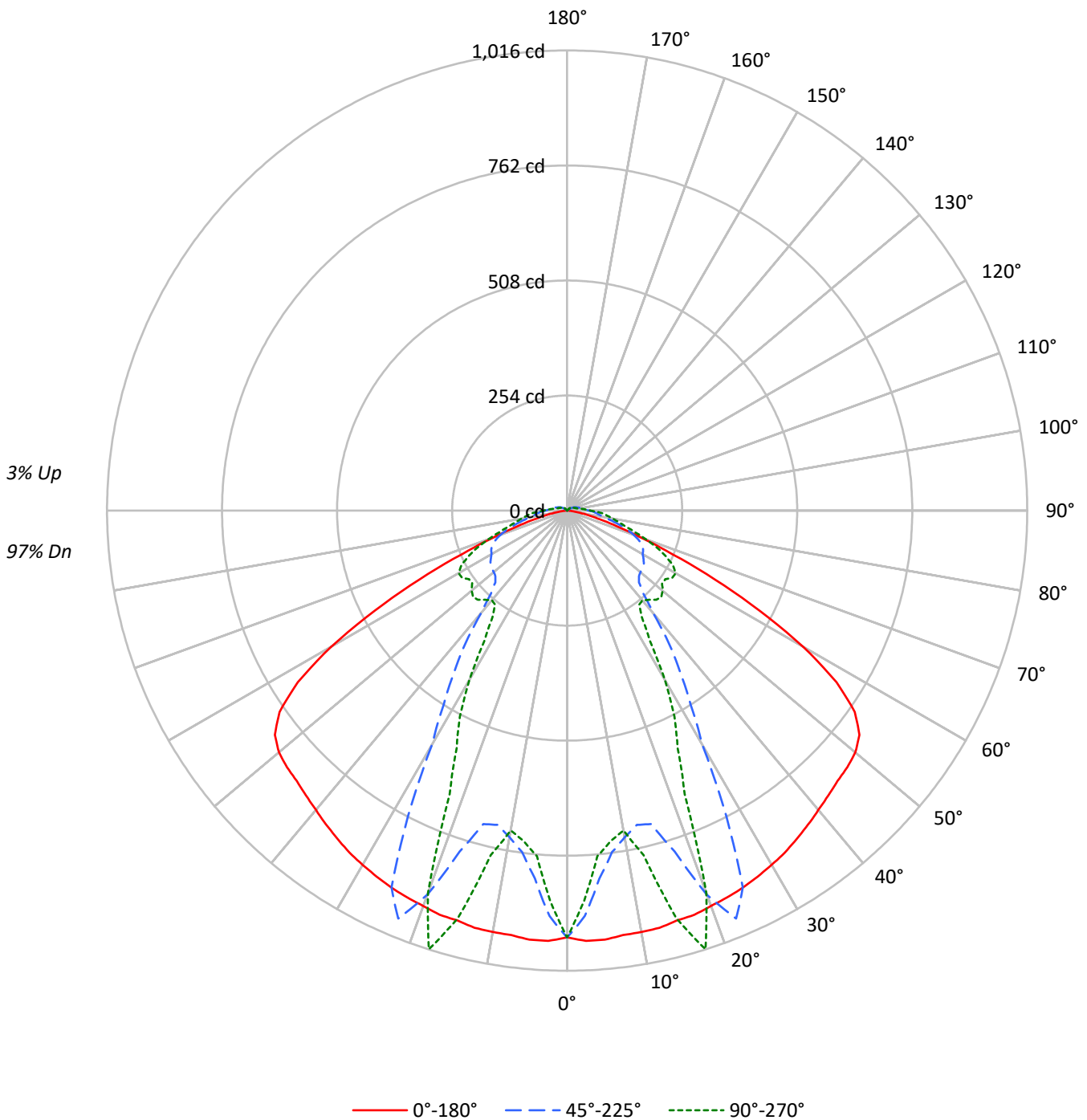
Input Watts (W): 13.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	60869	60869	60869
5°	61429	42294	36791
10°	61507	31928	27573
15°	61944	27130	30062
20°	62881	30396	25125
25°	64183	28028	14353
30°	65766	16781	9721
35°	67743	11428	5951
40°	70291	7349	5003
45°	74029	5315	5087
50°	79524	4816	4798
55°	82404	4587	4437
60°	72584	4185	4508
65°	50431	3938	3856
70°	28990	3347	2901
75°	16196	2528	2063
80°	8935	1785	1595
85°	4016	1433	1305



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	4.0
10°-20°	235.2	11.9
20°-30°	346.1	17.5
30°-40°	338.2	17.1
40°-50°	280.3	14.1
50°-60°	257.4	13.0
60°-70°	203.9	10.3
70°-80°	113.2	5.7
80°-90°	60.0	3.0
90°-100°	31.5	1.6
100°-110°	19.0	1.0
110°-120°	10.8	0.5
120°-130°	6.0	0.3
130°-140°	1.9	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°	659.6	33.3
0°-40°	997.8	50.3
0°-60°	1535.5	77.5
0°-90°	1912.6	96.5
90°-120°	61.3	3.1
90°-150°	69.2	3.5
90°-180°	69.0	3.5
0°-180°	1981.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	942	942	942	942	942	
5°	951	898	816	781	766	90
15°	937	748	716	878	932	266
25°	918	714	918	626	577	424
35°	884	853	435	311	287	555
45°	844	386	224	256	278	655
55°	775	172	207	248	264	673
65°	360	112	184	233	242	364
75°	75	68	118	126	132	89
85°	8	33	65	79	82	11
90°	0	24	48	52	52	0
95°	0	19	37	38	37	0
105°	0	13	26	22	20	0
115°	0	2	17	16	15	0
125°	0	0	8	12	12	0
135°	0	0	0	5	7	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°	942.5	942.5	942.5	942.5	942.5
2.5°	951.0	933.9	896.1	870.4	861.7
5°	951.0	897.6	815.5	780.7	766.1
7.5°	945.2	851.6	760.4	745.3	735.8
10°	944.8	802.4	732.2	719.6	717.0
12.5°	943.6	775.2	710.6	755.3	779.4
15°	936.8	748.2	716.5	877.5	931.5
17.5°	935.7	728.0	789.1	992.8	1015.6
20°	928.8	712.1	902.3	978.2	897.8
22.5°	924.4	701.0	975.1	786.9	677.6
25°	918.2	714.3	917.5	625.6	577.1
27.5°	911.1	757.0	760.6	544.5	512.4
30°	903.1	823.9	596.3	475.9	431.4
32.5°	895.2	872.8	507.6	390.7	338.5
35°	884.3	852.7	435.0	310.8	286.9
37.5°	874.1	759.7	368.8	268.3	261.4
40°	862.9	612.1	296.2	251.5	258.5
42.5°	853.3	485.2	248.8	249.7	267.2
45°	844.3	385.6	224.5	256.1	278.5
47.5°	838.9	306.6	214.7	263.9	281.8
50°	830.8	245.7	211.2	265.4	275.4
52.5°	813.5	202.5	210.1	257.2	264.1
55°	775.4	171.8	207.0	247.9	264.5
57.5°	705.2	152.7	199.9	249.9	275.4
60°	602.5	137.9	192.8	256.3	276.7
62.5°	479.5	124.4	189.0	251.0	263.6
65°	359.5	111.6	183.7	233.1	241.7
67.5°	251.7	100.5	171.8	210.7	215.4
70°	171.1	89.9	156.9	182.2	184.2
72.5°	115.1	79.2	138.6	152.7	155.8
75°	75.0	68.0	118.2	126.2	131.7
77.5°	47.8	57.8	98.1	108.2	115.3
80°	29.7	47.8	82.6	97.2	101.6
82.5°	16.6	39.8	71.5	86.8	89.2
85°	8.0	33.4	65.1	79.0	82.3
87.5°	2.0	28.3	57.3	65.5	65.5
90°	0.2	24.3	47.6	52.0	51.6
92.5°	0.2	21.5	41.4	44.3	43.4
95°	0.4	19.3	37.0	38.5	36.7
97.5°	0.4	18.2	34.1	33.0	30.3
100°	0.4	16.8	31.0	28.1	25.2
102.5°	0.4	15.1	28.3	24.8	22.4
105°	0.4	12.8	25.9	22.4	20.1
107.5°	0.4	10.2	23.2	20.4	18.6
110°	0.4	7.3	20.8	18.8	17.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	4.4	18.8	17.5	16.4
115°	0.4	1.5	16.8	15.9	14.8
117.5°	0.4	0.7	14.8	15.3	13.9
120°	0.4	0.7	12.4	14.4	13.3
122.5°	0.4	0.7	10.2	13.5	12.8
125°	0.4	0.4	7.7	12.4	12.2
127.5°	0.4	0.4	5.3	10.8	11.3
130°	0.4	0.4	2.7	8.9	10.0
132.5°	0.4	0.4	0.4	7.3	8.2
135°	0.4	0.4	0.4	5.3	6.6
137.5°	0.4	0.4	0.4	2.7	4.9
140°	0.4	0.4	0.4	0.4	2.0
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)