

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: P290325

Luminaire Tested: **8SSRK-SLC-80-L935-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290325  
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: 8SSRK-SLC-80-L935-CD1-U  
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

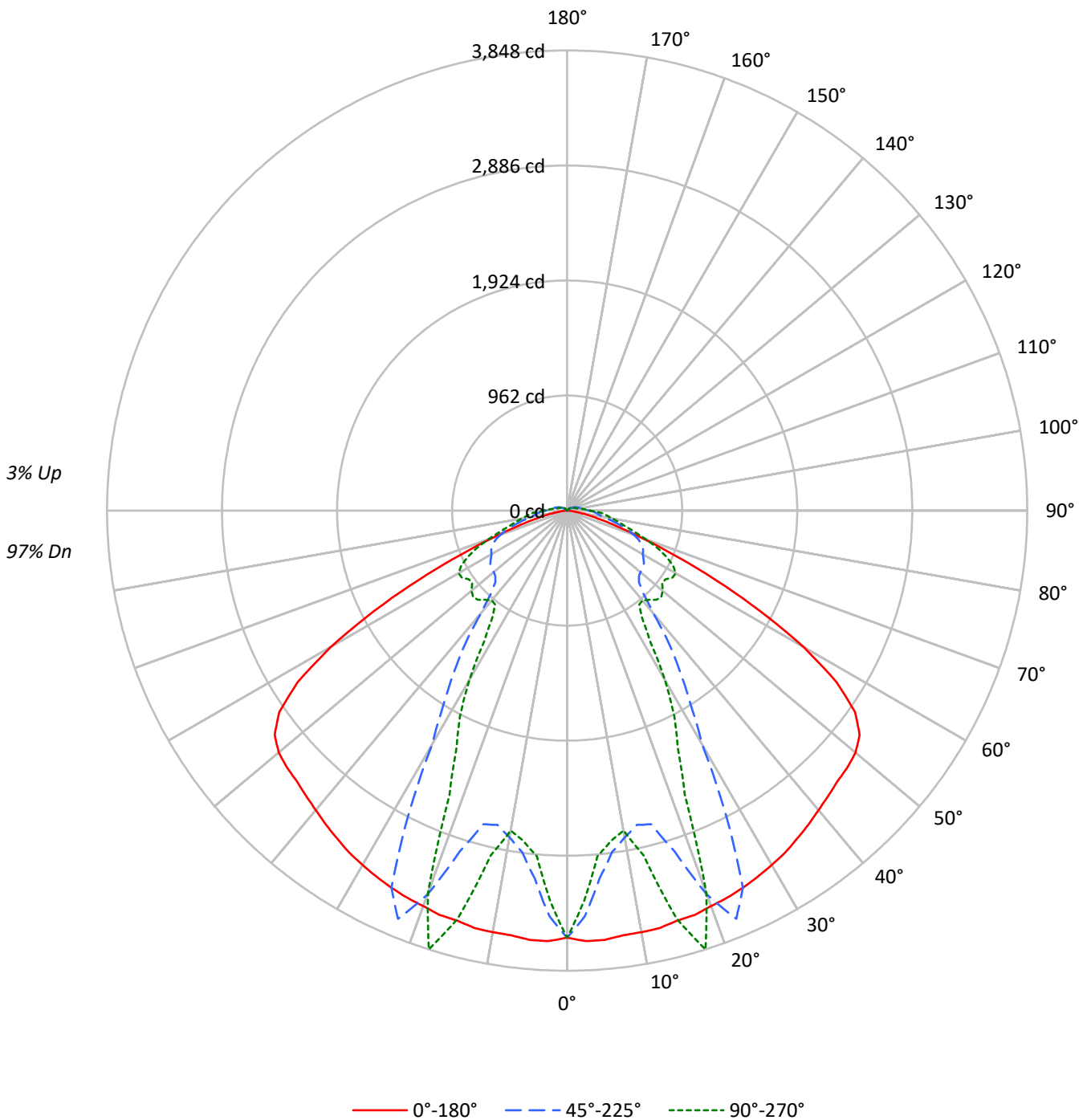
Lumens per Lamp: N/A  
Luminaire Lumens: 7509.5 lumens  
Efficiency: N/A  
Efficacy: 132.6 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 56.6491  
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°	115323	115323	115323
5°	116585	80208	69704
10°	116947	60596	52237
15°	118003	51517	56951
20°	120027	57735	47601
25°	122767	53260	27191
30°	126080	31896	18418
35°	130188	21723	11274
40°	135449	13972	9479
45°	143103	10106	9637
50°	154304	9161	9089
55°	160631	8724	8406
60°	142308	7963	8540
65°	99625	7494	7307
70°	57895	6372	5495
75°	32912	4813	3909
80°	18693	3397	3023
85°	9037	2728	2474



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.7	4.0
10°-20°	891.1	11.9
20°-30°	1311.6	17.5
30°-40°	1281.3	17.1
40°-50°	1062.2	14.1
50°-60°	975.2	13.0
60°-70°	772.7	10.3
70°-80°	429.1	5.7
80°-90°	227.2	3.0
90°-100°	119.5	1.6
100°-110°	71.9	1.0
110°-120°	41.1	0.5
120°-130°	22.7	0.3
130°-140°	7.2	0.1
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2499.3	33.3
0°-40°	3780.6	50.3
0°-60°	5817.9	77.5
0°-90°	7247.0	96.5
90°-120°	232.5	3.1
90°-150°	262.6	3.5
90°-180°	263.0	3.5
0°-180°	7509.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3571	3571	3571	3571	3571	
5°	3603	3401	3090	2958	2903	343
15°	3550	2835	2715	3325	3529	1007
25°	3479	2707	3477	2370	2187	1608
35°	3351	3231	1648	1178	1087	2103
45°	3199	1461	850	970	1055	2481
55°	2938	651	784	939	1002	2551
65°	1362	423	696	883	916	1379
75°	284	258	448	478	499	337
85°	30	127	247	299	312	42
90°	1	92	180	197	195	1
95°	2	73	140	146	139	1
105°	2	49	98	85	76	2
115°	2	6	64	60	56	2
125°	2	2	29	47	46	2
135°	2	2	2	20	25	1
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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CATALOG NUMBER: 8SSRK-SLC-80-L935-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3571.3	3571.3	3571.3	3571.3	3571.3
2.5°	3603.2	3538.6	3395.2	3297.9	3265.2
5°	3603.2	3401.1	3089.9	2958.2	2902.9
7.5°	3581.4	3226.6	2881.1	2824.0	2788.0
10°	3579.7	3040.4	2774.5	2726.7	2716.7
12.5°	3575.5	2937.2	2692.3	2861.8	2953.2
15°	3549.5	2834.9	2715.0	3324.7	3529.4
17.5°	3545.3	2758.6	2990.1	3761.7	3848.1
20°	3519.3	2698.2	3418.7	3706.4	3401.9
22.5°	3502.6	2656.3	3694.6	2981.7	2567.4
25°	3479.1	2706.6	3476.6	2370.3	2186.6
27.5°	3452.2	2868.5	2881.9	2063.3	1941.7
30°	3422.0	3121.8	2259.6	1803.3	1634.7
32.5°	3391.8	3307.1	1923.2	1480.4	1282.4
35°	3350.7	3230.8	1648.1	1177.6	1087.0
37.5°	3312.2	2878.5	1397.3	1016.5	990.5
40°	3269.4	2319.1	1122.2	952.8	979.6
42.5°	3233.3	1838.5	942.7	946.1	1012.4
45°	3198.9	1461.1	850.5	970.4	1055.1
47.5°	3178.8	1161.6	813.6	999.8	1067.7
50°	3147.8	931.0	800.2	1005.6	1043.4
52.5°	3082.3	767.4	796.0	974.6	1000.6
55°	2938.1	650.9	784.2	939.4	1002.3
57.5°	2672.2	578.7	757.4	946.9	1043.4
60°	2283.0	522.5	730.5	971.3	1048.4
62.5°	1816.7	471.4	716.3	951.1	998.9
65°	1362.1	422.7	696.1	883.2	915.9
67.5°	953.6	380.8	650.9	798.5	816.1
70°	648.3	340.5	594.7	690.3	697.8
72.5°	436.1	300.3	525.0	578.7	590.5
75°	284.3	257.5	447.9	478.1	499.0
77.5°	181.2	218.9	371.6	410.1	437.0
80°	112.4	181.2	312.8	368.2	385.0
82.5°	62.9	151.0	270.9	328.8	338.0
85°	30.2	126.6	246.6	299.4	312.0
87.5°	7.5	107.4	217.2	248.3	248.3
90°	0.8	92.3	180.3	197.1	195.4
92.5°	0.8	81.4	156.8	167.7	164.4
95°	1.7	73.0	140.1	145.9	139.2
97.5°	1.7	68.8	129.2	125.0	114.9
100°	1.7	63.7	117.4	106.5	95.6
102.5°	1.7	57.0	107.4	93.9	84.7
105°	1.7	48.6	98.1	84.7	76.3
107.5°	1.7	38.6	88.1	77.2	70.5
110°	1.7	27.7	78.8	71.3	66.3



TEST NUMBER: P290325

CATALOG NUMBER: 8SSRK-SLC-80-L935-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	16.8	71.3	66.3	62.1
115°	1.7	5.9	63.7	60.4	56.2
117.5°	1.7	2.5	56.2	57.9	52.8
120°	1.7	2.5	47.0	54.5	50.3
122.5°	1.7	2.5	38.6	51.2	48.6
125°	1.7	1.7	29.4	47.0	46.1
127.5°	1.7	1.7	20.1	41.1	42.8
130°	1.7	1.7	10.1	33.5	37.7
132.5°	1.7	1.7	1.7	27.7	31.0
135°	1.7	1.7	1.7	20.1	25.2
137.5°	1.7	1.7	1.7	10.1	18.5
140°	1.7	1.7	1.7	1.7	7.5
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)