

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: P290405

Luminaire Tested: **8SSRK-SLN-60-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLN-60-L935-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5310.7 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 0.98 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

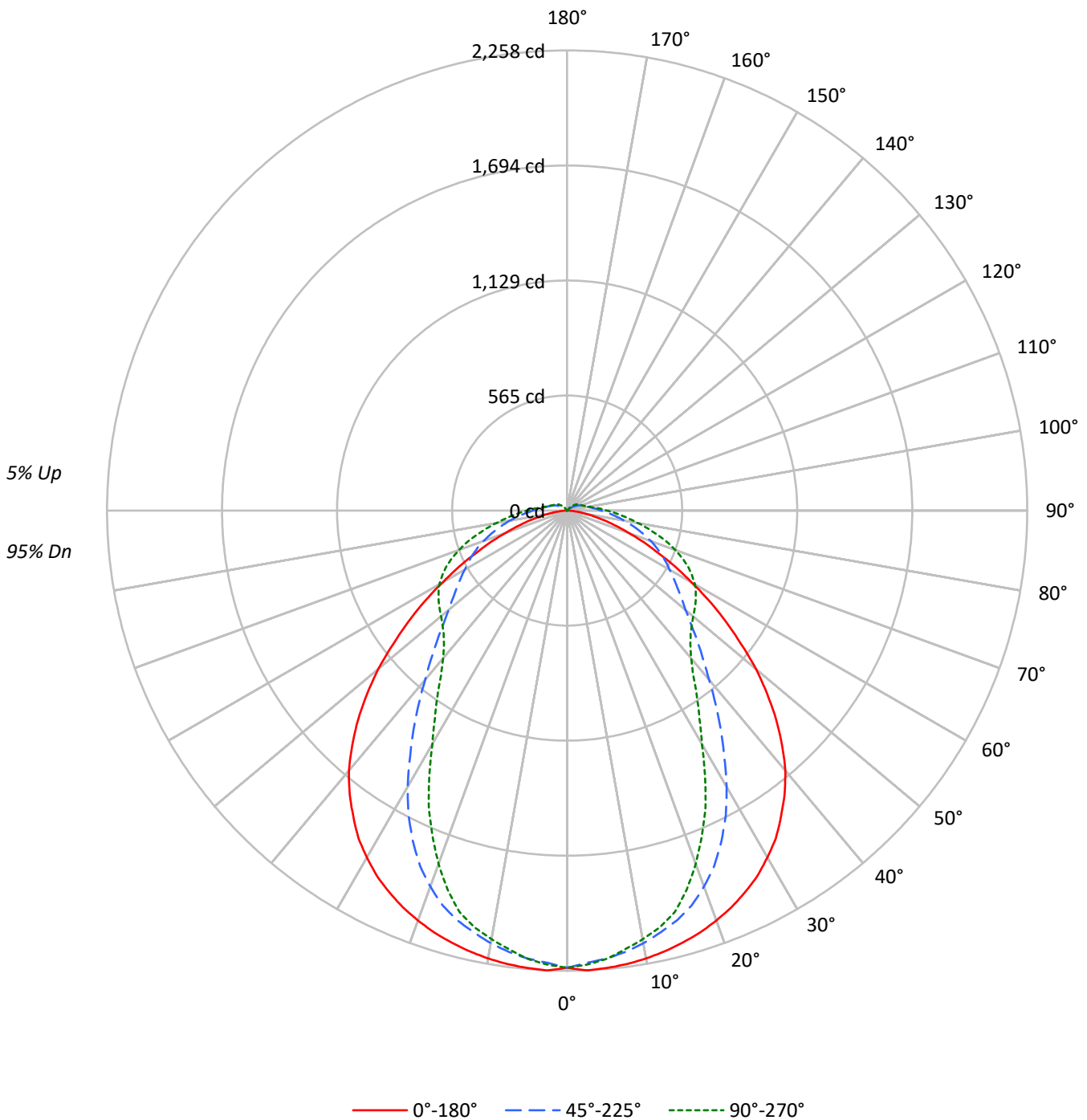
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	103	103	103	98	98	98	95				
1	107	102	98	94	104	100	96	92	94	91	88	90	87	85	85	83	81	79				
2	98	90	83	77	95	87	81	76	83	78	73	79	75	71	75	72	69	66				
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	63	59	56				
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49				
5	76	64	55	48	74	62	54	48	60	52	47	57	51	46	55	49	45	43				
6	71	58	49	43	68	56	48	42	54	47	42	52	46	41	50	45	40	38				
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34				
8	61	48	40	34	60	47	40	34	46	39	34	44	38	33	43	37	33	31				
9	57	44	37	31	56	44	36	31	42	35	31	41	35	30	40	34	30	28				
10	54	41	34	28	53	41	33	28	39	33	28	38	32	28	37	31	27	26				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	72433	72433	72433
5°	72898	57287	53037
10°	72902	47088	41067
15°	72943	39491	32919
20°	73009	33158	25816
25°	72917	27426	19982
30°	72406	22103	14911
35°	71110	17339	11499
40°	69013	13483	9149
45°	64915	10710	7828
50°	59309	8682	7039
55°	52026	7345	6463
60°	43983	6327	5903
65°	36124	5496	5232
70°	28934	4680	4440
75°	22227	3863	3585
80°	16016	3098	2770
85°	10085	2422	2107



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.6	4.0
10°-20°	590.5	11.1
20°-30°	830.3	15.6
30°-40°	869.5	16.4
40°-50°	787.2	14.8
50°-60°	670.0	12.6
60°-70°	529.8	10.0
70°-80°	360.7	6.8
80°-90°	205.8	3.9
90°-100°	114.1	2.1
100°-110°	69.7	1.3
110°-120°	42.4	0.8
120°-130°	23.0	0.4
130°-140°	6.9	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°	1631.4	30.7
0°-40°	2500.9	47.1
0°-60°	3958.1	74.5
0°-90°	5054.4	95.2
90°-120°	226.3	4.3
90°-150°	256.3	4.8
90°-180°	256.0	4.8
0°-180°	5310.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2243	2243	2243	2243	2243	
5°	2253	2239	2207	2217	2209	214
15°	2194	2152	2081	2060	2040	620
25°	2066	1964	1790	1652	1607	952
35°	1830	1624	1316	1151	1109	1144
45°	1451	1152	901	854	857	1114
55°	952	726	660	736	771	851
65°	494	429	510	623	656	497
75°	192	234	360	442	458	209
85°	34	111	219	262	266	41
90°	1	77	168	195	195	2
95°	1	60	132	146	145	1
105°	1	36	88	92	88	1
115°	1	5	60	69	68	1
125°	1	1	27	48	51	1
135°	1	1	1	20	26	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2243.1	2243.1	2243.1	2243.1	2243.1
2.5°	2258.5	2246.2	2220.4	2237.0	2229.7
5°	2253.0	2238.9	2206.9	2216.8	2208.8
7.5°	2244.4	2225.4	2184.2	2187.3	2172.0
10°	2231.5	2206.9	2156.0	2150.5	2135.8
12.5°	2214.9	2181.2	2119.8	2112.5	2095.3
15°	2194.1	2152.3	2081.2	2059.7	2040.1
17.5°	2170.8	2118.0	2031.5	1983.6	1949.9
20°	2140.7	2073.8	1963.4	1894.0	1845.0
22.5°	2106.9	2026.0	1886.7	1782.4	1726.5
25°	2066.4	1964.0	1790.3	1651.7	1606.9
27.5°	2021.7	1899.6	1685.4	1523.5	1463.9
30°	1965.2	1818.0	1565.8	1392.2	1323.4
32.5°	1906.3	1730.2	1435.7	1260.9	1207.5
35°	1830.2	1624.1	1315.5	1151.0	1108.7
37.5°	1753.5	1510.6	1195.8	1052.9	1015.4
40°	1665.8	1395.8	1082.9	971.9	945.5
42.5°	1561.5	1279.3	987.2	903.8	894.6
45°	1451.1	1152.3	901.3	854.1	857.1
47.5°	1330.8	1036.9	823.4	814.2	829.5
50°	1209.9	929.5	758.4	784.1	808.0
52.5°	1075.6	825.8	706.8	759.6	788.4
55°	951.6	726.4	660.2	736.3	770.6
57.5°	828.3	641.8	619.7	712.3	748.5
60°	705.6	564.5	580.4	686.6	724.6
62.5°	598.8	490.8	546.1	657.7	690.9
65°	493.9	428.9	510.5	623.4	655.9
67.5°	406.8	373.7	474.9	582.3	611.7
70°	324.0	321.5	436.8	536.9	563.9
72.5°	252.8	274.3	397.0	489.6	515.4
75°	192.0	233.8	359.5	441.8	457.7
77.5°	140.5	195.7	321.5	393.3	404.3
80°	96.3	162.6	285.3	344.8	352.8
82.5°	60.7	134.4	250.3	301.3	306.8
85°	33.7	111.1	219.0	262.0	265.7
87.5°	12.9	91.4	190.8	227.6	230.7
90°	0.6	77.3	167.5	195.1	195.1
92.5°	0.6	67.5	148.5	169.3	170.6
95°	1.2	59.5	131.9	146.0	144.8
97.5°	1.2	54.0	116.6	128.2	124.6
100°	1.2	49.1	104.9	112.9	109.2
102.5°	1.2	43.6	95.7	100.6	96.3
105°	1.2	36.2	88.4	92.0	88.4
107.5°	1.2	28.8	80.4	85.3	81.6
110°	1.2	21.5	73.0	79.1	76.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	13.5	66.3	73.6	71.8
115°	1.2	4.9	59.5	69.3	67.5
117.5°	0.6	2.5	50.9	64.4	63.8
120°	0.6	1.8	42.9	60.1	60.1
122.5°	0.6	1.8	35.6	54.0	56.4
125°	0.6	1.2	27.0	47.9	50.9
127.5°	0.6	1.2	19.0	41.7	45.4
130°	0.6	1.2	9.8	34.4	39.3
132.5°	0.6	1.2	1.2	27.0	32.5
135°	1.2	1.2	1.2	19.6	25.8
137.5°	1.2	1.2	1.2	10.4	18.4
140°	1.2	1.2	0.6	0.6	8.6
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)