

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: P290142

Luminaire Tested: **8SSRK-LN-60-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-LN-60-L940-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5343.4 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

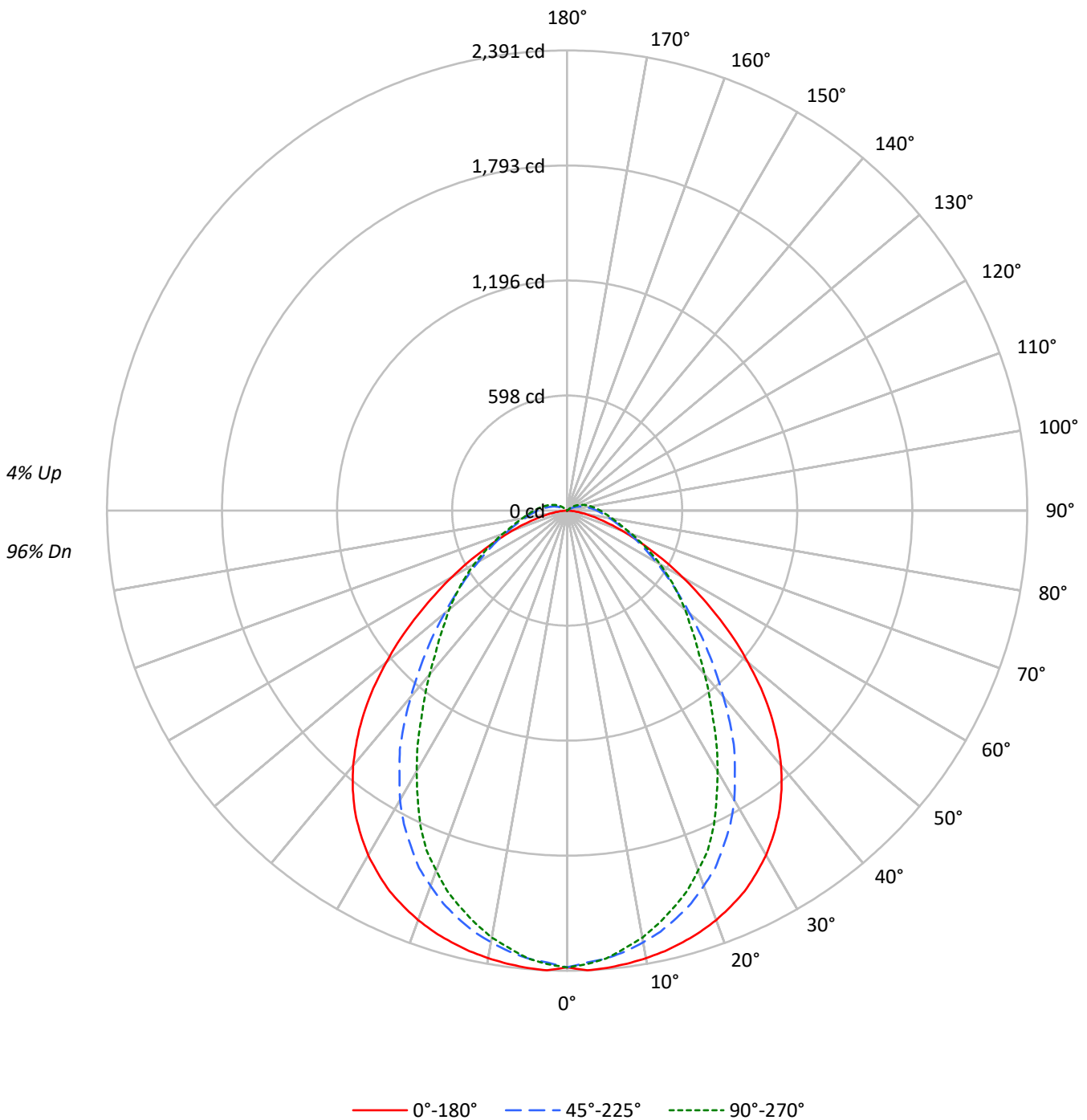
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109	103	103	103	98	98	98	96				
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81				
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69				
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59				
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52				
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41				
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36				
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	76644	76644	76644
5°	77162	60633	56087
10°	77153	49753	43319
15°	77195	41605	34467
20°	77221	35042	27848
25°	77014	29459	22436
30°	76175	24518	17609
35°	74592	19970	13707
40°	71673	15726	10769
45°	66964	12292	8558
50°	60069	9503	6969
55°	51774	7397	5660
60°	43129	5803	4551
65°	34383	4567	3595
70°	26826	3616	2825
75°	20073	2938	2250
80°	14535	2423	1865
85°	9037	2044	1590



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.8	4.2
10°-20°	624.0	11.7
20°-30°	899.3	16.8
30°-40°	974.1	18.2
40°-50°	862.8	16.1
50°-60°	656.5	12.3
60°-70°	437.4	8.2
70°-80°	270.2	5.1
80°-90°	169.3	3.2
90°-100°	111.2	2.1
100°-110°	68.2	1.3
110°-120°	35.2	0.7
120°-130°	11.6	0.2
130°-140°	0.7	0.0
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°	1746.2	32.7
0°-40°	2720.3	50.9
0°-60°	4239.6	79.3
0°-90°	5116.6	95.8
90°-120°	214.6	4.0
90°-150°	226.9	4.2
90°-180°	227.0	4.2
0°-180°	5343.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2374	2374	2374	2374	2374	
5°	2385	2370	2336	2345	2336	227
15°	2322	2278	2193	2163	2136	656
25°	2182	2080	1923	1841	1804	1004
35°	1920	1740	1515	1372	1322	1196
45°	1497	1262	1034	956	937	1148
55°	947	773	665	673	675	851
65°	470	412	424	449	451	475
75°	173	211	273	292	287	192
85°	30	109	185	204	200	37
90°	1	79	154	173	172	2
95°	3	56	128	148	147	2
105°	2	22	80	102	104	2
115°	2	2	41	64	69	2
125°	1	1	1	28	35	1
135°	0	0	0	0	0	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°	2373.5	2373.5	2373.5	2373.5	2373.5
2.5°	2391.1	2377.9	2350.9	2366.6	2359.1
5°	2384.8	2369.8	2335.8	2344.6	2335.8
7.5°	2374.8	2355.9	2310.7	2314.5	2293.7
10°	2361.6	2336.5	2278.0	2271.7	2252.9
12.5°	2344.6	2309.4	2240.9	2215.8	2197.6
15°	2322.0	2278.0	2192.6	2163.0	2136.0
17.5°	2296.2	2239.7	2140.4	2104.6	2072.5
20°	2264.2	2193.2	2075.0	2025.4	1990.2
22.5°	2225.2	2142.3	2010.3	1938.0	1909.8
25°	2182.5	2080.1	1923.0	1840.6	1804.2
27.5°	2126.6	2011.6	1836.9	1733.8	1681.6
30°	2067.5	1930.5	1736.9	1618.2	1562.9
32.5°	1996.5	1841.9	1621.3	1495.0	1446.0
35°	1919.8	1740.1	1515.1	1372.5	1321.6
37.5°	1829.3	1630.1	1388.8	1258.1	1213.5
40°	1730.0	1510.7	1263.1	1148.1	1112.9
42.5°	1616.9	1389.4	1145.0	1045.7	1015.5
45°	1496.9	1262.5	1034.4	955.8	937.0
47.5°	1366.2	1135.6	930.7	874.8	860.9
50°	1225.4	1008.6	830.1	799.3	800.0
52.5°	1091.6	888.6	744.7	736.5	734.6
55°	947.0	773.0	664.9	673.0	674.9
57.5°	816.3	665.5	597.0	612.1	614.0
60°	691.9	569.3	532.3	555.5	558.7
62.5°	578.1	487.0	477.0	500.8	500.2
65°	470.1	412.2	424.2	448.7	450.6
67.5°	378.3	351.3	380.2	401.6	400.3
70°	300.4	296.6	337.5	360.1	358.8
72.5°	233.8	250.7	304.2	323.6	318.6
75°	173.4	211.1	273.4	291.6	287.2
77.5°	127.6	178.5	246.3	263.9	260.8
80°	87.4	151.4	223.1	241.3	237.5
82.5°	55.9	128.8	203.0	220.6	218.1
85°	30.2	108.7	184.8	203.6	200.5
87.5°	11.3	92.4	168.4	187.3	186.0
90°	1.3	79.2	154.0	173.4	172.2
92.5°	1.9	67.2	140.1	160.2	160.2
95°	3.1	55.9	127.6	147.7	147.0
97.5°	2.5	47.1	113.7	135.7	135.7
100°	2.5	39.0	101.2	123.2	124.4
102.5°	2.5	30.8	90.5	111.9	114.4
105°	1.9	22.0	79.8	101.8	104.3
107.5°	1.9	12.6	69.1	92.4	95.5
110°	1.9	3.1	59.7	82.3	86.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	1.9	50.3	72.9	76.7
115°	1.9	1.9	40.8	63.5	69.1
117.5°	1.3	1.3	30.2	55.3	60.3
120°	1.3	1.3	18.9	46.5	51.5
122.5°	1.3	1.3	8.2	37.1	44.0
125°	1.3	1.3	1.3	27.7	34.6
127.5°	1.3	1.3	0.6	16.3	24.5
130°	1.3	1.3	0.6	6.3	15.1
132.5°	1.3	1.3	0.6	0.6	4.4
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)