

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: P290157

Luminaire Tested: **8SSRK-LN-10-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290157
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-10-L935-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8751.0 lumens
Efficiency: N/A
Efficacy: 121.7 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

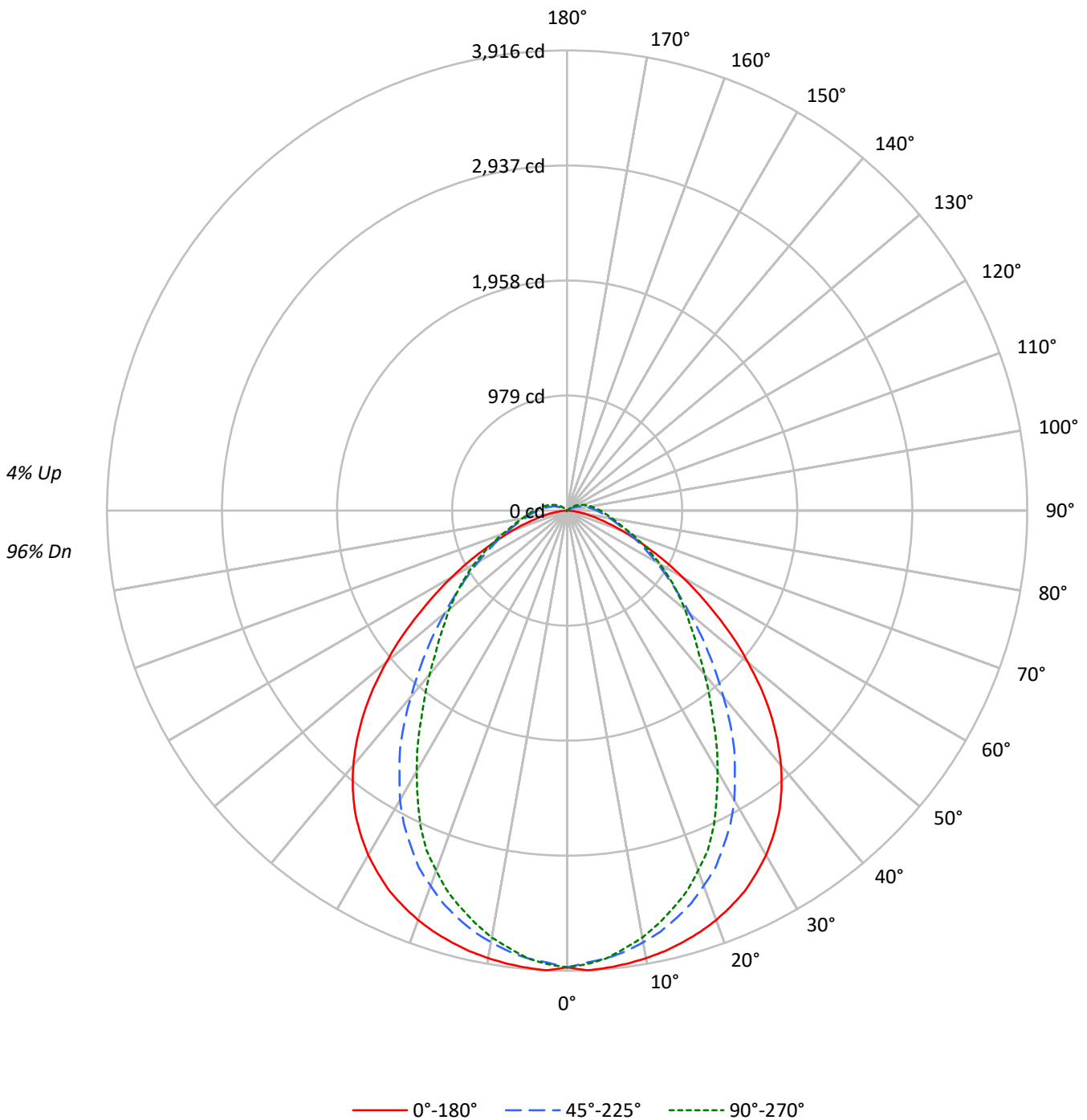
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	125523	125523	125523
5°	126372	99302	91857
10°	126356	81483	70944
15°	126424	68136	56447
20°	126466	57390	45607
25°	126126	48246	36744
30°	124753	40154	28839
35°	122160	32705	22448
40°	117382	25755	17637
45°	109668	20129	14015
50°	98377	15563	11412
55°	84796	12114	9270
60°	70630	9502	7453
65°	56304	7479	5887
70°	43928	5922	4628
75°	32889	4811	3684
80°	23799	3968	3054
85°	14783	3347	2604



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.9	4.2
10°-20°	1022.0	11.7
20°-30°	1472.8	16.8
30°-40°	1595.4	18.2
40°-50°	1413.0	16.1
50°-60°	1075.2	12.3
60°-70°	716.3	8.2
70°-80°	442.6	5.1
80°-90°	277.3	3.2
90°-100°	182.2	2.1
100°-110°	111.6	1.3
110°-120°	57.6	0.7
120°-130°	18.9	0.2
130°-140°	1.1	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°	2859.7	32.7
0°-40°	4455.1	50.9
0°-60°	6943.3	79.3
0°-90°	8379.5	95.8
90°-120°	351.5	4.0
90°-150°	371.5	4.2
90°-180°	372.0	4.3
0°-180°	8751.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3887	3887	3887	3887	3887	
5°	3906	3881	3826	3840	3826	372
15°	3803	3731	3591	3542	3498	1074
25°	3574	3407	3149	3014	2955	1644
35°	3144	2850	2481	2248	2164	1959
45°	2452	2068	1694	1565	1534	1880
55°	1551	1266	1089	1102	1105	1393
65°	770	675	695	735	738	777
75°	284	346	448	478	470	314
85°	49	178	303	334	328	60
90°	2	130	252	284	282	4
95°	5	92	209	242	241	3
105°	3	36	131	167	171	4
115°	3	3	67	104	113	3
125°	2	2	2	45	57	2
135°	0	0	0	0	0	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°	3887.2	3887.2	3887.2	3887.2	3887.2
2.5°	3916.0	3894.4	3850.2	3875.9	3863.5
5°	3905.7	3881.0	3825.5	3839.9	3825.5
7.5°	3889.3	3858.4	3784.3	3790.5	3756.5
10°	3867.7	3826.5	3730.8	3720.5	3689.6
12.5°	3839.9	3782.2	3670.0	3628.9	3599.0
15°	3802.8	3730.8	3590.8	3542.4	3498.2
17.5°	3760.6	3668.0	3505.4	3446.7	3394.2
20°	3708.1	3591.8	3398.3	3317.0	3259.4
22.5°	3644.3	3508.5	3292.3	3174.0	3127.7
25°	3574.3	3406.6	3149.3	3014.5	2954.8
27.5°	3482.7	3294.4	3008.3	2839.5	2754.1
30°	3386.0	3161.6	2844.6	2650.1	2559.6
32.5°	3269.7	3016.5	2655.3	2448.4	2368.1
35°	3144.1	2849.8	2481.3	2247.7	2164.4
37.5°	2995.9	2669.7	2274.5	2060.4	1987.3
40°	2833.3	2474.1	2068.6	1880.3	1822.7
42.5°	2648.1	2275.5	1875.2	1712.6	1663.2
45°	2451.5	2067.6	1694.0	1565.4	1534.5
47.5°	2237.4	1859.7	1524.2	1432.6	1410.0
50°	2006.9	1651.8	1359.5	1309.1	1310.1
52.5°	1787.7	1455.3	1219.6	1206.2	1203.1
55°	1551.0	1265.9	1088.9	1102.2	1105.3
57.5°	1336.9	1089.9	977.7	1002.4	1005.5
60°	1133.1	932.4	871.7	909.8	914.9
62.5°	946.8	797.6	781.1	820.3	819.2
65°	769.8	675.1	694.7	734.8	737.9
67.5°	619.6	575.3	622.7	657.6	655.6
70°	491.9	485.8	552.7	589.7	587.7
72.5°	382.9	410.6	498.1	530.0	521.8
75°	284.1	345.8	447.7	477.5	470.3
77.5°	208.9	292.3	403.4	432.3	427.1
80°	143.1	248.0	365.4	395.2	389.0
82.5°	91.6	211.0	332.4	361.2	357.1
85°	49.4	178.0	302.6	333.5	328.3
87.5°	18.5	151.3	275.8	306.7	304.6
90°	2.1	129.7	252.1	284.1	282.0
92.5°	3.1	110.1	229.5	262.4	262.4
95°	5.1	91.6	208.9	241.9	240.8
97.5°	4.1	77.2	186.3	222.3	222.3
100°	4.1	63.8	165.7	201.7	203.8
102.5°	4.1	50.4	148.2	183.2	187.3
105°	3.1	36.0	130.7	166.7	170.8
107.5°	3.1	20.6	113.2	151.3	156.4
110°	3.1	5.1	97.8	134.8	141.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	3.1	82.3	119.4	125.6
115°	3.1	3.1	66.9	103.9	113.2
117.5°	2.1	2.1	49.4	90.6	98.8
120°	2.1	2.1	30.9	76.2	84.4
122.5°	2.1	2.1	13.4	60.7	72.0
125°	2.1	2.1	2.1	45.3	56.6
127.5°	2.1	2.1	1.0	26.8	40.1
130°	2.1	2.1	1.0	10.3	24.7
132.5°	2.1	2.1	1.0	1.0	7.2
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)