

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: P290156

Luminaire Tested: **8SSRK-LN-10-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290156
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-L930-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8244.2 lumens
Efficiency: N/A
Efficacy: 114.6 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

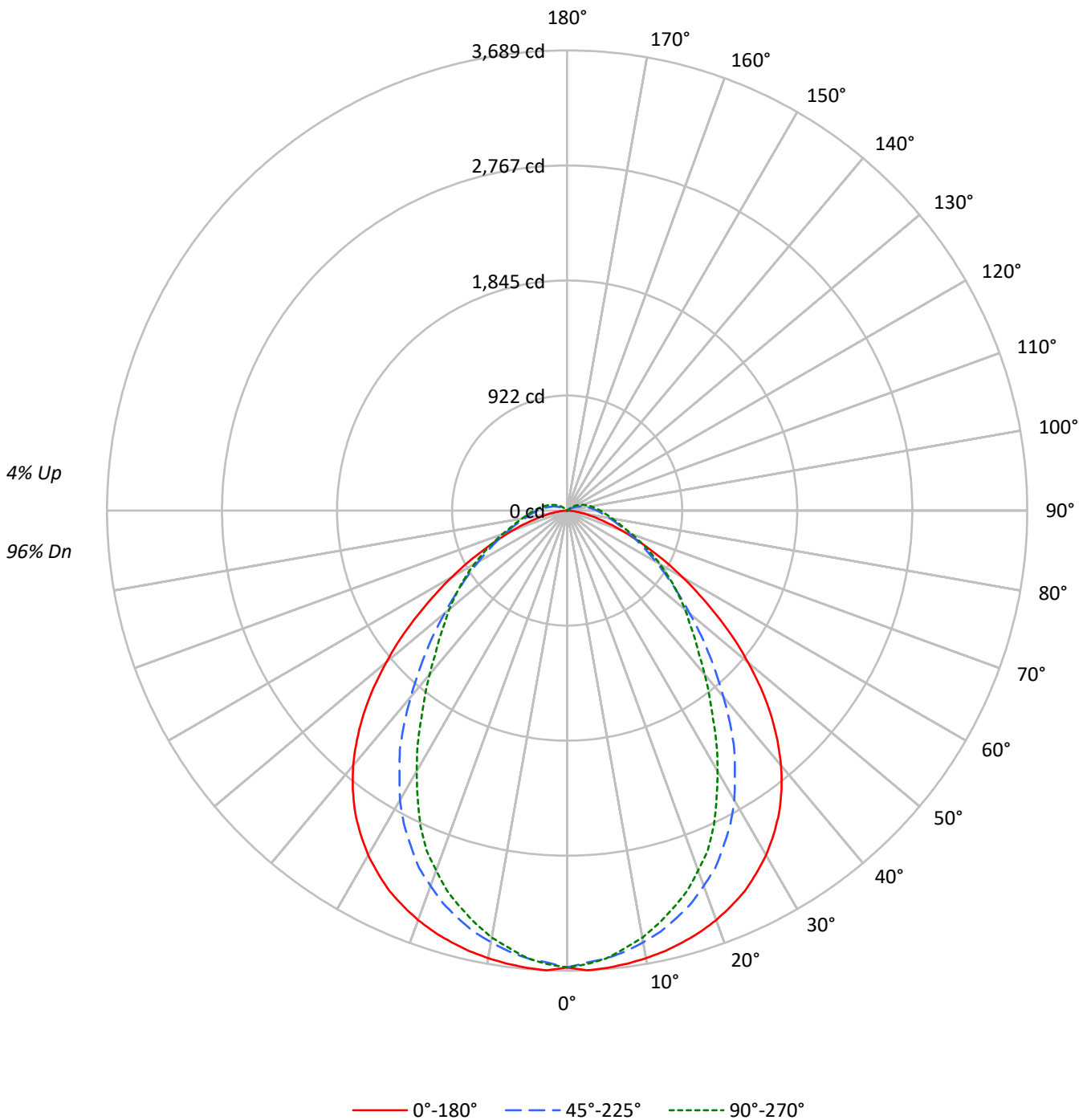
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96					96			
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81					81			
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69					69			
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59					59			
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52					52			
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46					46			
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41					41			
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36					36			
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33					33			
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30					30			
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	118255	118255	118255
5°	119053	93550	86536
10°	119035	76763	66835
15°	119104	64189	53178
20°	119143	54067	42965
25°	118822	45451	34615
30°	117528	37829	27168
35°	115085	30811	21148
40°	110583	24264	16615
45°	103316	18964	13203
50°	92681	14662	10752
55°	79881	11412	8733
60°	66541	8952	7021
65°	53041	7046	5546
70°	41392	5579	4359
75°	30978	4533	3471
80°	22419	3738	2878
85°	13915	3153	2453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.8	4.2
10°-20°	962.8	11.7
20°-30°	1387.5	16.8
30°-40°	1503.0	18.2
40°-50°	1331.2	16.1
50°-60°	1012.9	12.3
60°-70°	674.8	8.2
70°-80°	417.0	5.1
80°-90°	261.2	3.2
90°-100°	171.6	2.1
100°-110°	105.2	1.3
110°-120°	54.3	0.7
120°-130°	17.8	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°	2694.1	32.7
0°-40°	4197.1	50.9
0°-60°	6541.2	79.3
0°-90°	7894.2	95.8
90°-120°	331.1	4.0
90°-150°	349.9	4.2
90°-180°	350.0	4.2
0°-180°	8244.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3662	3662	3662	3662	3662	
5°	3680	3656	3604	3618	3604	350
15°	3583	3515	3383	3337	3296	1012
25°	3367	3209	2967	2840	2784	1549
35°	2962	2685	2338	2118	2039	1846
45°	2310	1948	1596	1475	1446	1771
55°	1461	1193	1026	1038	1041	1313
65°	725	636	654	692	695	732
75°	268	326	422	450	443	296
85°	46	168	285	314	309	57
90°	2	122	238	268	266	3
95°	5	86	197	228	227	3
105°	3	34	123	157	161	3
115°	3	3	63	98	107	3
125°	2	2	2	43	53	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°	3662.1	3662.1	3662.1	3662.1	3662.1
2.5°	3689.2	3668.9	3627.2	3651.4	3639.8
5°	3679.5	3656.3	3603.9	3617.5	3603.9
7.5°	3664.0	3634.9	3565.1	3570.9	3538.9
10°	3643.6	3604.9	3514.7	3505.0	3475.9
12.5°	3617.5	3563.2	3457.5	3418.7	3390.6
15°	3582.6	3514.7	3382.8	3337.3	3295.6
17.5°	3542.8	3455.5	3302.4	3247.1	3197.6
20°	3493.4	3383.8	3201.5	3124.9	3070.6
22.5°	3433.2	3305.3	3101.7	2990.2	2946.5
25°	3367.3	3209.3	2966.9	2839.9	2783.6
27.5°	3281.0	3103.6	2834.1	2675.0	2594.6
30°	3189.9	2978.5	2679.9	2496.6	2411.3
32.5°	3080.3	2841.8	2501.5	2306.6	2231.0
35°	2962.0	2684.7	2337.6	2117.5	2039.0
37.5°	2822.4	2515.1	2142.8	1941.1	1872.2
40°	2669.2	2330.8	1948.8	1771.4	1717.1
42.5°	2494.7	2143.7	1766.6	1613.4	1566.8
45°	2309.5	1947.9	1595.9	1474.7	1445.6
47.5°	2107.8	1752.0	1435.9	1349.6	1328.3
50°	1890.7	1556.2	1280.8	1233.3	1234.3
52.5°	1684.1	1371.0	1148.9	1136.3	1133.4
55°	1461.1	1192.6	1025.8	1038.4	1041.3
57.5°	1259.5	1026.8	921.1	944.4	947.3
60°	1067.5	878.4	821.2	857.1	861.9
62.5°	892.0	751.4	735.9	772.7	771.8
65°	725.2	636.0	654.5	692.3	695.2
67.5°	583.7	542.0	586.6	619.6	617.6
70°	463.5	457.6	520.7	555.6	553.6
72.5°	360.7	386.9	469.3	499.3	491.6
75°	267.6	325.8	421.8	449.9	443.1
77.5°	196.8	275.4	380.1	407.2	402.4
80°	134.8	233.7	344.2	372.3	366.5
82.5°	86.3	198.8	313.2	340.3	336.4
85°	46.5	167.7	285.1	314.1	309.3
87.5°	17.5	142.5	259.8	288.9	287.0
90°	1.9	122.2	237.5	267.6	265.7
92.5°	2.9	103.7	216.2	247.2	247.2
95°	4.8	86.3	196.8	227.8	226.9
97.5°	3.9	72.7	175.5	209.4	209.4
100°	3.9	60.1	156.1	190.0	192.0
102.5°	3.9	47.5	139.6	172.6	176.5
105°	2.9	33.9	123.1	157.1	160.9
107.5°	2.9	19.4	106.7	142.5	147.4
110°	2.9	4.8	92.1	127.0	132.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	2.9	77.6	112.5	118.3
115°	2.9	2.9	63.0	97.9	106.7
117.5°	1.9	1.9	46.5	85.3	93.1
120°	1.9	1.9	29.1	71.7	79.5
122.5°	1.9	1.9	12.6	57.2	67.9
125°	1.9	1.9	1.9	42.7	53.3
127.5°	1.9	1.9	1.0	25.2	37.8
130°	1.9	1.9	1.0	9.7	23.3
132.5°	1.9	1.9	1.0	1.0	6.8
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)