

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: P290420

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290420
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-10-L930-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8392.3 lumens
Efficiency: N/A
Efficacy: 116.7 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

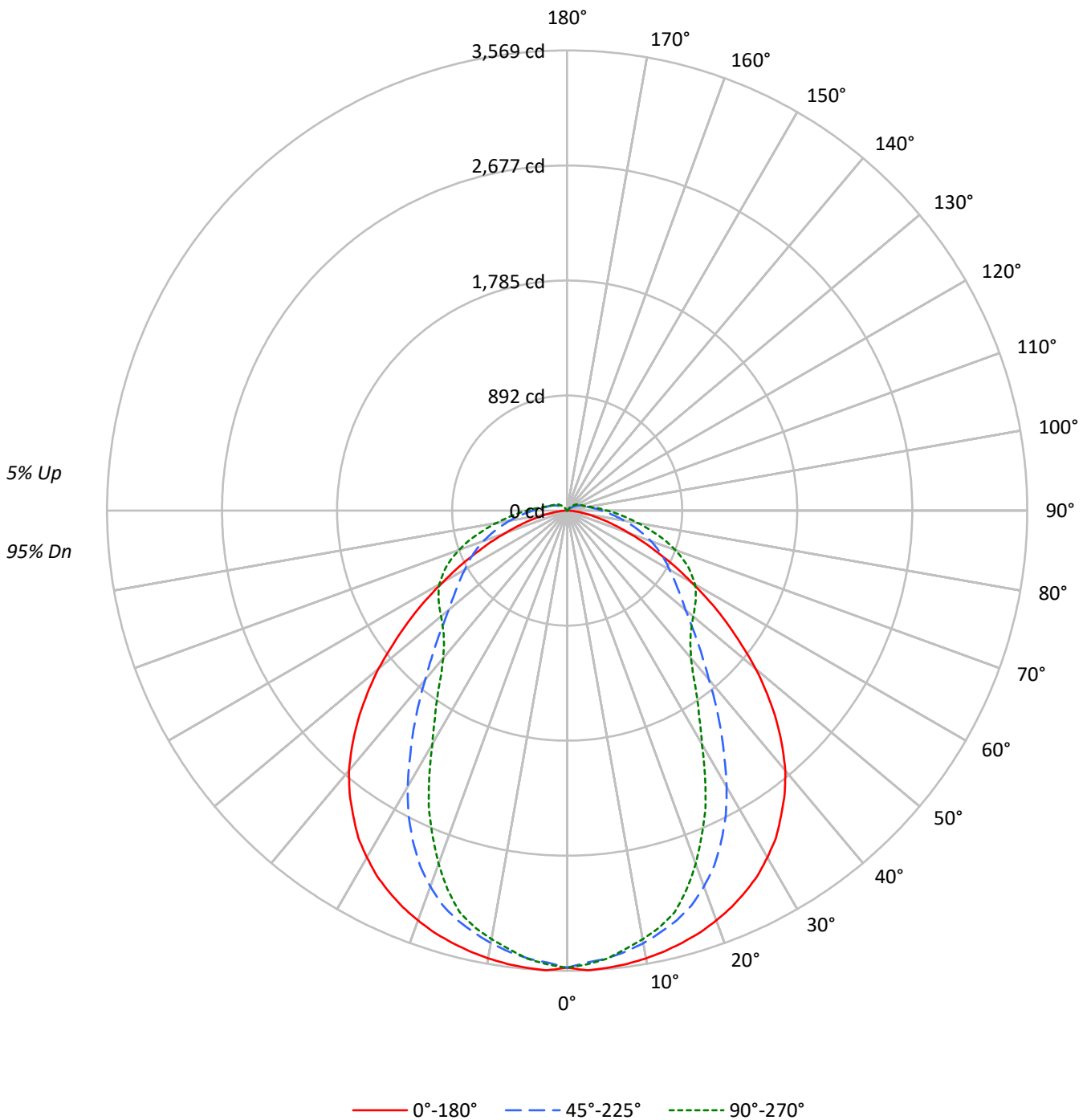
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	114464	114464	114464
5°	115193	90528	83811
10°	115203	74411	64897
15°	115267	62405	52020
20°	115371	52396	40795
25°	115229	43342	31577
30°	114419	34927	23563
35°	112373	27399	18171
40°	109059	21307	14457
45°	102578	16925	12371
50°	93725	13719	11123
55°	82215	11607	10214
60°	69502	9998	9328
65°	57086	8685	8269
70°	45714	7396	7016
75°	35134	6106	5666
80°	25312	4895	4377
85°	15950	3828	3329



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.9	4.0
10°-20°	933.1	11.1
20°-30°	1312.1	15.6
30°-40°	1374.0	16.4
40°-50°	1244.0	14.8
50°-60°	1058.8	12.6
60°-70°	837.2	10.0
70°-80°	570.0	6.8
80°-90°	325.3	3.9
90°-100°	180.4	2.1
100°-110°	110.2	1.3
110°-120°	67.0	0.8
120°-130°	36.3	0.4
130°-140°	11.0	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°	2578.0	30.7
0°-40°	3952.0	47.1
0°-60°	6254.7	74.5
0°-90°	7987.1	95.2
90°-120°	357.6	4.3
90°-150°	405.1	4.8
90°-180°	405.0	4.8
0°-180°	8392.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3545	3545	3545	3545	3545	
5°	3560	3538	3488	3503	3490	339
15°	3467	3401	3289	3255	3224	980
25°	3266	3104	2829	2610	2539	1505
35°	2892	2566	2079	1819	1752	1807
45°	2293	1821	1424	1350	1354	1761
55°	1504	1148	1043	1164	1218	1345
65°	780	678	807	985	1036	786
75°	304	369	568	698	723	331
85°	53	176	346	414	420	64
90°	1	122	265	308	308	3
95°	2	94	208	231	229	1
105°	2	57	140	145	140	2
115°	2	8	94	110	107	1
125°	1	2	43	76	80	1
135°	2	2	2	31	41	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°	3544.7	3544.7	3544.7	3544.7	3544.7
2.5°	3569.0	3549.6	3508.8	3535.0	3523.4
5°	3560.2	3537.9	3487.5	3503.0	3490.4
7.5°	3546.7	3516.6	3451.6	3456.5	3432.3
10°	3526.3	3487.5	3407.0	3398.3	3375.1
12.5°	3500.1	3446.8	3349.8	3338.2	3311.1
15°	3467.2	3401.2	3288.8	3254.8	3223.8
17.5°	3430.3	3346.9	3210.2	3134.6	3081.3
20°	3382.8	3277.1	3102.6	2993.0	2915.5
22.5°	3329.5	3201.5	2981.4	2816.6	2728.4
25°	3265.5	3103.6	2829.2	2610.1	2539.3
27.5°	3194.7	3001.8	2663.4	2407.4	2313.4
30°	3105.5	2872.8	2474.3	2199.9	2091.3
32.5°	3012.4	2734.2	2268.8	1992.5	1908.1
35°	2892.2	2566.4	2078.7	1818.9	1752.0
37.5°	2771.0	2387.1	1889.7	1663.8	1604.6
40°	2632.4	2205.8	1711.3	1535.8	1494.1
42.5°	2467.5	2021.5	1560.0	1428.2	1413.6
45°	2293.0	1820.8	1424.3	1349.6	1354.5
47.5°	2103.0	1638.6	1301.2	1286.6	1310.8
50°	1912.0	1468.9	1198.4	1239.1	1276.9
52.5°	1699.6	1305.0	1116.9	1200.3	1245.9
55°	1503.8	1148.0	1043.3	1163.5	1217.8
57.5°	1308.9	1014.2	979.3	1125.7	1182.9
60°	1115.0	892.0	917.2	1084.9	1145.1
62.5°	946.3	775.7	862.9	1039.4	1091.7
65°	780.5	677.7	806.7	985.1	1036.5
67.5°	642.8	590.5	750.4	920.1	966.7
70°	511.9	508.1	690.3	848.4	891.0
72.5°	399.5	433.4	627.3	773.7	814.4
75°	303.5	369.4	568.2	698.1	723.3
77.5°	222.0	309.3	508.1	621.5	638.9
80°	152.2	256.9	450.8	544.9	557.5
82.5°	96.0	212.3	395.6	476.1	484.8
85°	53.3	175.5	346.1	414.0	419.8
87.5°	20.4	144.5	301.5	359.7	364.6
90°	1.0	122.2	264.7	308.3	308.3
92.5°	1.0	106.7	234.6	267.6	269.5
95°	1.9	94.0	208.5	230.8	228.8
97.5°	1.9	85.3	184.2	202.6	196.8
100°	1.9	77.6	165.8	178.4	172.6
102.5°	1.9	68.8	151.3	159.0	152.2
105°	1.9	57.2	139.6	145.4	139.6
107.5°	1.9	45.6	127.0	134.8	129.0
110°	1.9	33.9	115.4	125.1	120.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	21.3	104.7	116.3	113.4
115°	1.9	7.8	94.0	109.6	106.7
117.5°	1.0	3.9	80.5	101.8	100.8
120°	1.0	2.9	67.9	95.0	95.0
122.5°	1.0	2.9	56.2	85.3	89.2
125°	1.0	1.9	42.7	75.6	80.5
127.5°	1.0	1.9	30.1	65.9	71.7
130°	1.0	1.9	15.5	54.3	62.1
132.5°	1.0	1.9	1.9	42.7	51.4
135°	1.9	1.9	1.9	31.0	40.7
137.5°	1.9	1.9	1.9	16.5	29.1
140°	1.9	1.9	1.0	1.0	13.6
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)