

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: P289717

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-10-L935-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9364.5 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

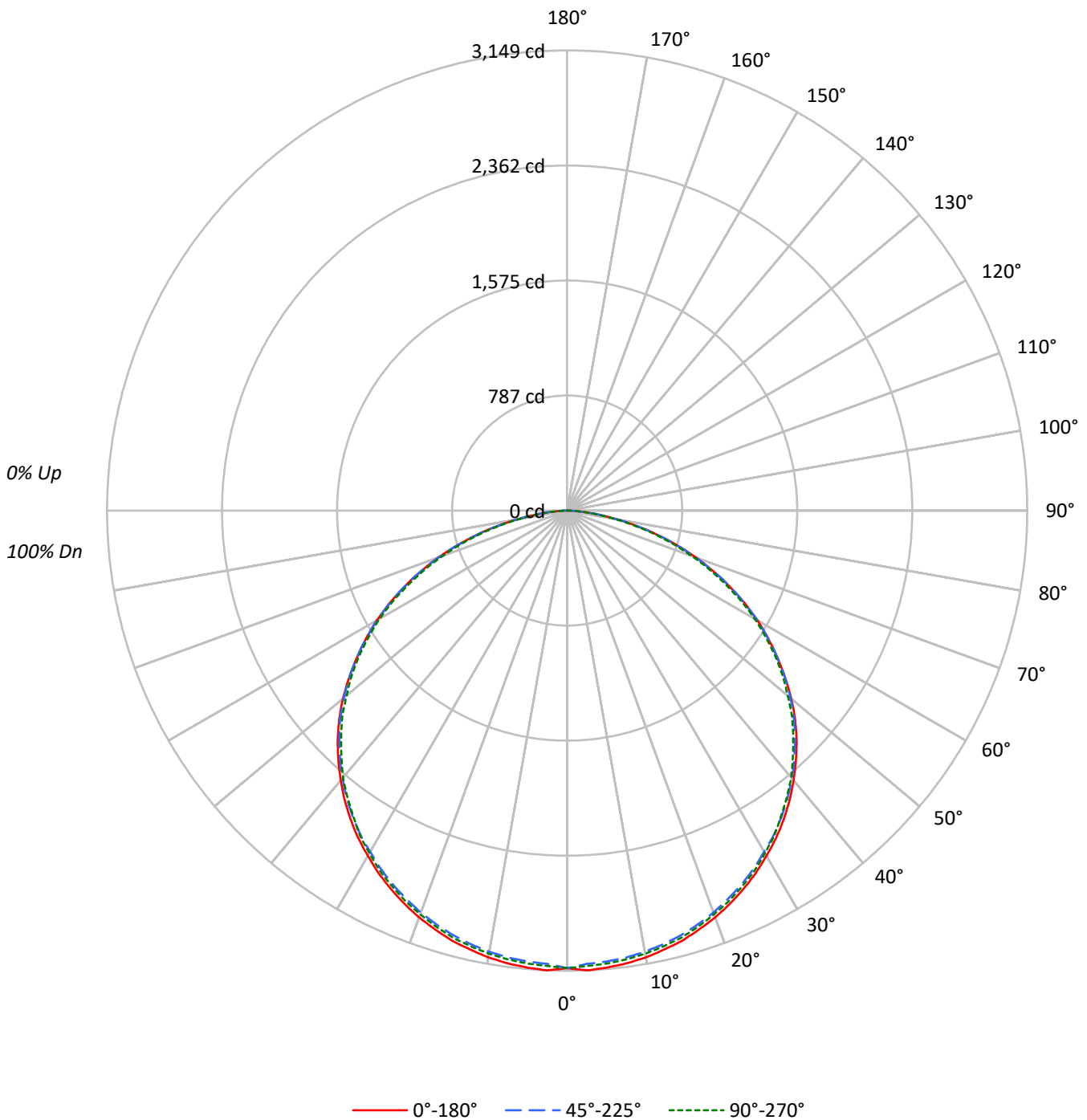
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	101095	101095	101095
5°	101565	80413	74706
10°	101407	66939	59209
15°	101274	57083	48807
20°	101020	49431	41142
25°	100776	43247	35271
30°	100521	38062	30496
35°	100328	33710	26472
40°	99857	29792	23084
45°	99352	26207	19975
50°	98176	22845	17159
55°	96047	19568	14588
60°	93663	16380	12081
65°	89648	13208	9540
70°	83909	9980	7123
75°	73753	6823	4820
80°	58358	3811	2602
85°	37585	1377	857



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.7	3.2
10°-20°	854.8	9.1
20°-30°	1310.0	14.0
30°-40°	1605.9	17.1
40°-50°	1701.2	18.2
50°-60°	1568.6	16.8
60°-70°	1205.4	12.9
70°-80°	668.1	7.1
80°-90°	153.7	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	2461.6	26.3
0°-40°	4067.4	43.4
0°-60°	7337.3	78.4
0°-90°	9364.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9364.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3131	3131	3131	3131	3131	
5°	3139	3126	3098	3128	3111	298
15°	3046	3032	3008	3035	3025	860
25°	2856	2846	2823	2852	2836	1317
35°	2582	2570	2558	2567	2552	1615
45°	2221	2214	2206	2202	2187	1711
55°	1757	1770	1759	1752	1739	1571
65°	1226	1229	1227	1210	1196	1212
75°	637	638	635	625	615	674
85°	126	128	124	118	108	156
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3130.7	3130.7	3130.7	3130.7	3130.7
2.5°	3149.3	3133.8	3105.0	3133.8	3119.4
5°	3139.0	3125.6	3097.8	3127.6	3111.2
7.5°	3124.6	3113.2	3085.5	3114.3	3097.8
10°	3104.0	3091.6	3064.9	3095.7	3079.3
12.5°	3076.2	3064.9	3039.1	3068.0	3053.5
15°	3046.3	3031.9	3008.3	3035.0	3024.7
17.5°	3005.2	2993.9	2970.2	2995.9	2984.6
20°	2962.0	2950.6	2927.0	2952.7	2940.3
22.5°	2912.6	2901.2	2876.5	2904.3	2892.0
25°	2855.9	2845.7	2823.0	2851.8	2836.4
27.5°	2796.3	2788.0	2763.3	2787.0	2777.7
30°	2728.3	2723.2	2696.4	2714.9	2706.7
32.5°	2659.4	2650.1	2631.6	2646.0	2637.8
35°	2582.2	2569.8	2557.5	2566.7	2552.3
37.5°	2499.9	2491.6	2478.2	2486.5	2470.0
40°	2410.3	2403.1	2392.8	2394.9	2385.6
42.5°	2317.7	2309.5	2301.2	2297.1	2286.8
45°	2220.9	2213.7	2205.5	2202.4	2187.0
47.5°	2116.0	2110.8	2105.7	2098.5	2087.2
50°	2002.8	2004.8	1995.6	1989.4	1969.8
52.5°	1881.3	1893.7	1880.3	1871.0	1859.7
55°	1756.8	1770.2	1758.9	1751.6	1739.3
57.5°	1633.3	1639.5	1632.3	1627.1	1610.7
60°	1502.6	1507.7	1502.6	1491.3	1483.0
62.5°	1367.8	1373.9	1363.6	1355.4	1344.1
65°	1225.7	1228.8	1226.8	1210.3	1195.9
67.5°	1082.7	1087.8	1081.7	1070.3	1055.9
70°	939.6	936.5	931.4	923.2	904.6
72.5°	788.3	788.3	787.3	771.9	762.6
75°	637.1	638.1	635.0	624.7	615.4
77.5°	485.8	497.1	488.9	478.6	468.3
80°	350.9	358.2	350.9	337.6	331.4
82.5°	224.4	234.7	228.5	215.1	213.0
85°	125.6	127.6	124.5	118.4	108.1
87.5°	47.3	49.4	50.4	41.2	36.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)