

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: P289643

Luminaire Tested: **8SSRK-TB-10-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SSRK-TB-10-L950-CD1-U  
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9029.3 lumens  
Efficiency: N/A  
Efficacy: 125.6 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')  
CIE Type: Direct

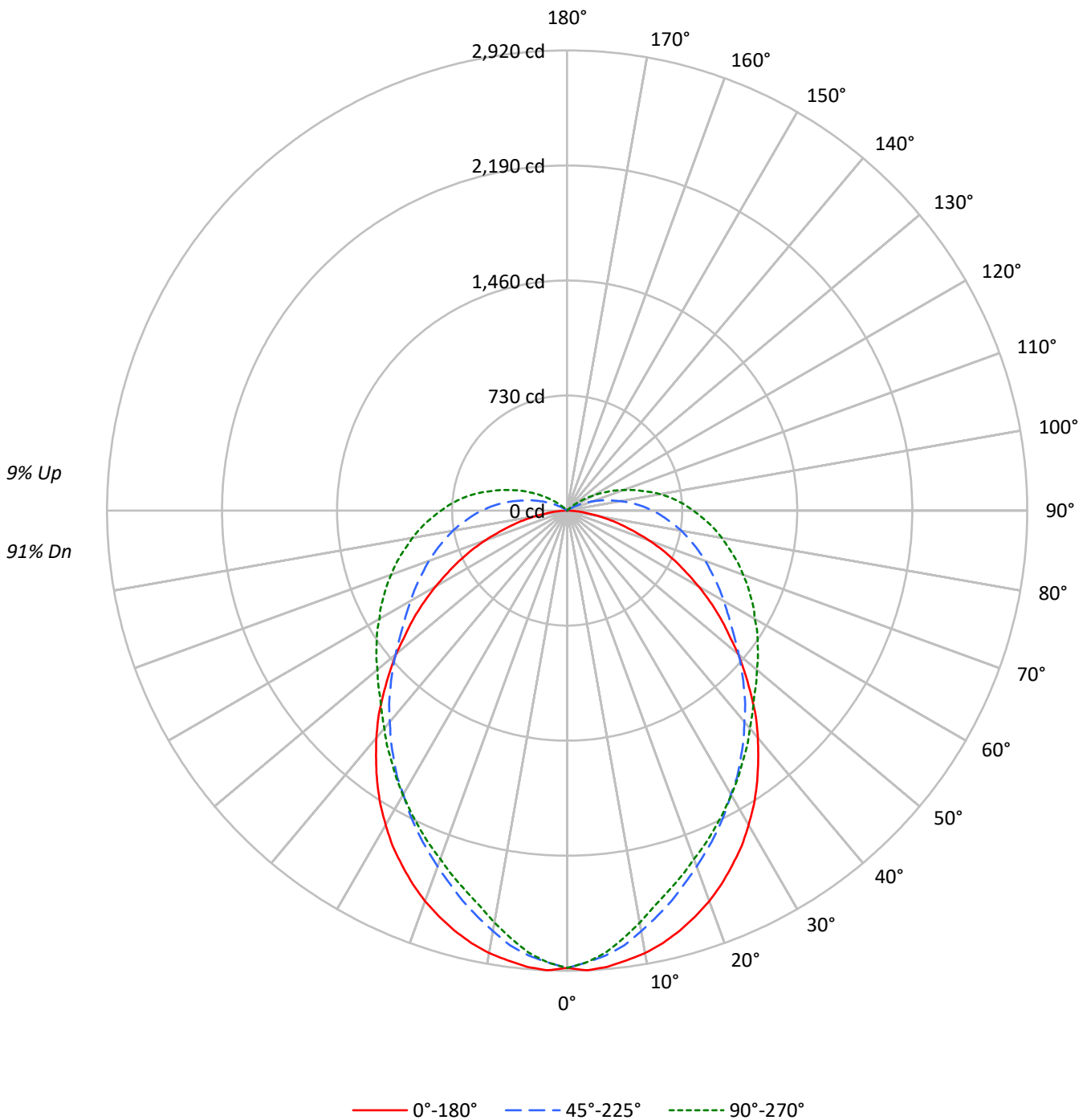
Input Watts (W): 71.9151  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91
1	104	98	93	89	100	95	90	86	89	85	82	84	80	78	78	76	74	71
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	68	64	60	58
3	85	74	65	58	82	72	64	57	67	60	55	63	58	53	60	55	51	48
4	78	65	56	49	75	63	55	48	60	52	47	56	50	45	53	48	43	41
5	72	58	49	42	69	57	48	41	53	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	42	36	48	41	35	46	39	34	43	38	33	31
7	61	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	24
9	54	40	32	26	52	39	31	26	37	30	25	35	29	24	34	28	24	22
10	50	37	29	24	48	36	28	23	34	28	23	33	27	22	31	26	22	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	93694	93694	93694
5°	94029	73539	67586
10°	93148	59179	51047
15°	91750	48641	40256
20°	89919	40588	32927
25°	87550	34440	27615
30°	84848	29347	23476
35°	81667	25295	20141
40°	77991	21788	17465
45°	73791	18840	15316
50°	69436	16267	13692
55°	64950	14132	12378
60°	60096	12502	11204
65°	55141	11167	10243
70°	49375	9987	9355
75°	42312	8936	8554
80°	34193	7989	7821
85°	23251	7025	7138



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.6	3.0
10°-20°	732.1	8.1
20°-30°	1059.3	11.7
30°-40°	1232.2	13.6
40°-50°	1254.2	13.9
50°-60°	1167.0	12.9
60°-70°	1016.2	11.3
70°-80°	827.2	9.2
80°-90°	626.7	6.9
90°-100°	434.6	4.8
100°-110°	255.4	2.8
110°-120°	119.8	1.3
120°-130°	34.1	0.4
130°-140°	1.9	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°	2060.0	22.8
0°-40°	3292.2	36.5
0°-60°	5713.5	63.3
0°-90°	8183.6	90.6
90°-120°	809.7	9.0
90°-150°	845.7	9.4
90°-180°	846.0	9.4
0°-180°	9029.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2902	2902	2902	2902	2902	
5°	2906	2883	2833	2833	2815	275
15°	2760	2687	2563	2518	2495	777
25°	2481	2372	2248	2230	2221	1143
35°	2102	1992	1919	1937	1942	1313
45°	1650	1586	1586	1650	1677	1273
55°	1188	1183	1270	1421	1476	1060
65°	754	818	1037	1220	1284	747
75°	366	535	832	1024	1092	390
85°	78	334	635	836	900	89
90°	0	242	539	736	800	4
95°	0	155	443	640	704	0
105°	0	37	251	425	484	0
115°	0	0	100	233	283	0
125°	0	0	5	78	114	0
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°	5	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°	2901.5	2901.5	2901.5	2901.5	2901.5
2.5°	2919.8	2906.1	2869.5	2883.2	2869.5
5°	2906.1	2883.2	2833.0	2833.0	2814.7
7.5°	2878.6	2851.2	2782.7	2759.8	2737.0
10°	2851.2	2810.1	2709.6	2682.2	2654.8
12.5°	2810.1	2750.7	2636.5	2595.4	2567.9
15°	2759.8	2686.7	2563.4	2517.7	2494.8
17.5°	2700.4	2618.2	2481.1	2444.6	2426.3
20°	2636.5	2540.5	2403.4	2371.5	2353.2
22.5°	2563.4	2453.7	2325.8	2302.9	2289.2
25°	2481.1	2371.5	2248.1	2229.8	2220.7
27.5°	2398.9	2280.1	2165.8	2156.7	2152.1
30°	2302.9	2188.7	2079.0	2083.6	2083.6
32.5°	2207.0	2092.7	2005.9	2015.1	2015.1
35°	2101.9	1992.2	1919.1	1937.4	1941.9
37.5°	1992.2	1896.3	1836.9	1864.3	1878.0
40°	1882.5	1795.7	1750.0	1791.2	1804.9
42.5°	1772.9	1690.6	1672.4	1722.6	1740.9
45°	1649.5	1585.5	1585.5	1649.5	1676.9
47.5°	1530.7	1489.6	1503.3	1585.5	1626.7
50°	1416.5	1384.5	1421.0	1526.1	1571.8
52.5°	1293.1	1284.0	1343.4	1471.3	1526.1
55°	1188.0	1183.4	1270.3	1421.0	1475.9
57.5°	1073.8	1087.5	1206.3	1370.8	1430.2
60°	964.1	991.5	1146.9	1320.5	1375.4
62.5°	854.5	909.3	1092.1	1270.3	1334.2
65°	753.9	817.9	1037.2	1220.0	1284.0
67.5°	653.4	735.7	982.4	1174.3	1238.3
70°	552.9	662.5	932.1	1124.0	1188.0
72.5°	452.4	598.6	881.9	1073.8	1142.3
75°	365.5	534.6	831.6	1023.5	1092.1
77.5°	283.3	484.3	781.3	982.4	1041.8
80°	205.6	429.5	735.7	932.1	996.1
82.5°	132.5	383.8	685.4	881.9	950.4
85°	77.7	333.6	635.1	836.2	900.1
87.5°	32.0	283.3	589.4	785.9	849.9
90°	0.0	242.2	539.2	735.7	799.6
92.5°	0.0	201.0	493.5	690.0	753.9
95°	0.0	155.4	443.2	639.7	703.7
97.5°	0.0	118.8	393.0	589.4	653.4
100°	0.0	91.4	342.7	530.0	598.6
102.5°	0.0	64.0	292.4	475.2	543.7
105°	0.0	36.6	251.3	424.9	484.3
107.5°	0.0	18.3	210.2	374.7	434.1
110°	0.0	4.6	169.1	324.4	379.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	132.5	278.7	333.6
115°	0.0	0.0	100.5	233.0	283.3
117.5°	0.0	0.0	68.5	191.9	237.6
120°	0.0	0.0	41.1	150.8	191.9
122.5°	0.0	0.0	18.3	114.2	150.8
125°	0.0	0.0	4.6	77.7	114.2
127.5°	0.0	0.0	0.0	45.7	77.7
130°	0.0	0.0	0.0	22.8	45.7
132.5°	0.0	0.0	0.0	4.6	18.3
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°	4.6	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)