

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: P289758

Luminaire Tested: **4SSRK-TS-60-L940-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289758  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-TS-60-L940-CD1-U  
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 90 CRI 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4853.6 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Semi-Direct

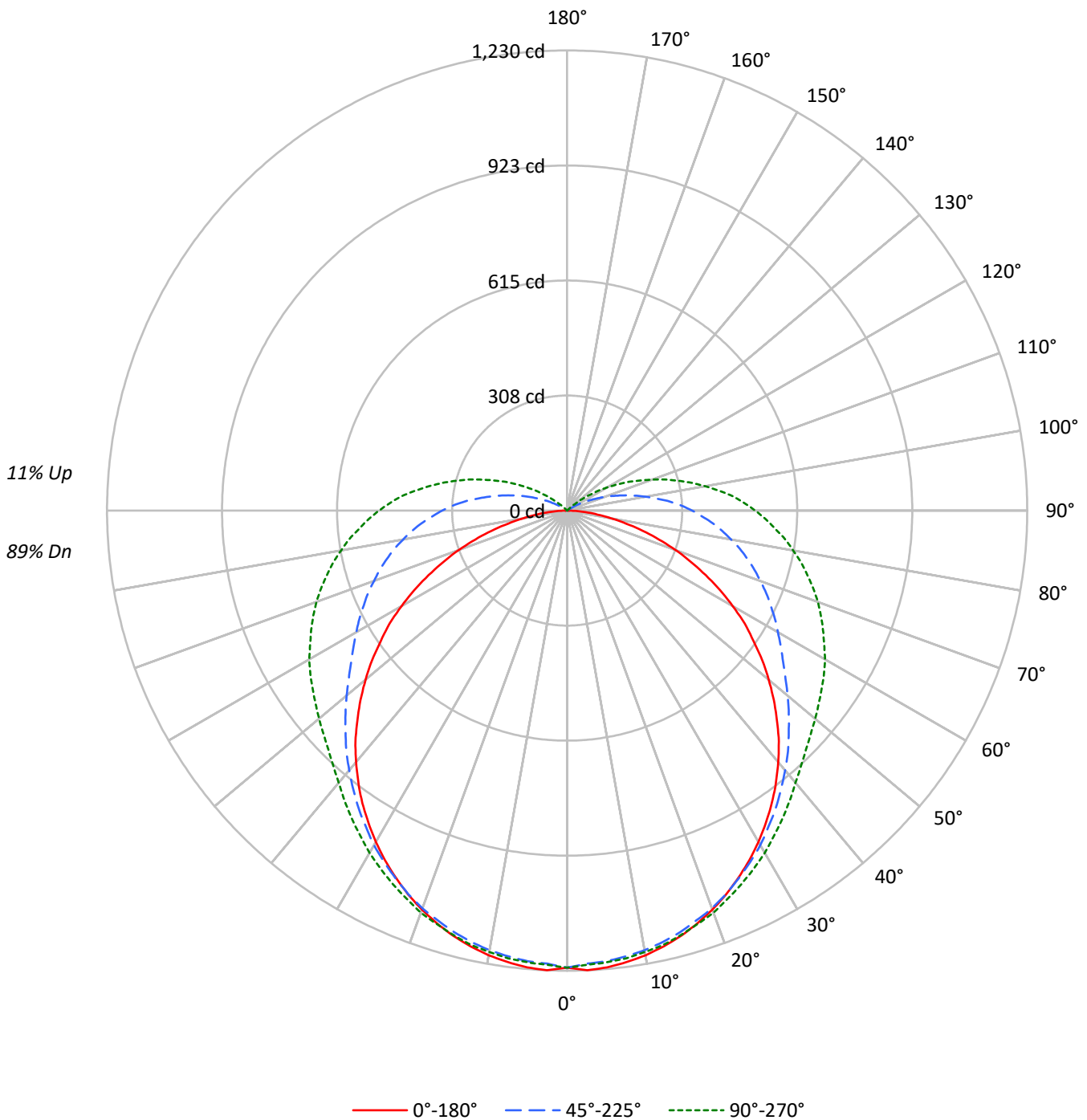
Input Watts (W): 44.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P289758

CATALOG NUMBER: 4SSRK-TS-60-L940-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P289758

CATALOG NUMBER: 4SSRK-TS-60-L940-CD1-U

**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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	103	97	91	87	99	94	89	84	87	83	79	81	78	75	76	73	71	68
2	93	83	75	68	89	80	73	67	75	68	63	70	65	60	65	61	57	54
3	84	72	63	56	80	69	61	54	65	58	52	61	55	50	57	52	47	45
4	76	63	54	46	73	61	52	45	57	50	44	53	47	42	50	45	40	37
5	70	56	47	39	67	54	45	39	51	43	37	48	41	36	45	39	34	32
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	41	35	30	28
7	60	46	36	30	57	44	36	29	42	34	28	39	33	28	37	31	27	24
8	56	41	33	27	53	40	32	26	38	31	25	36	29	25	34	28	24	22
9	52	38	29	24	50	37	29	23	35	28	23	33	27	22	31	26	21	19
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17

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

	0°	45°	90°
0°	78901	78901	78901
5°	79160	62702	58214
10°	78583	52030	46078
15°	77807	44170	37913
20°	76834	38124	32007
25°	75696	33139	27405
30°	74475	29064	23803
35°	73105	25535	20832
40°	71488	22481	18381
45°	69557	19832	16495
50°	67330	17543	15081
55°	64646	15613	13934
60°	61609	14128	12967
65°	57333	12864	12041
70°	52287	11720	11227
75°	45284	10667	10413
80°	36401	9629	9632
85°	24796	8606	8853



TEST NUMBER: P289758

CATALOG NUMBER: 4SSRK-TS-60-L940-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.6	2.4
10°-20°	331.1	6.8
20°-30°	502.8	10.4
30°-40°	611.2	12.6
40°-50°	652.4	13.4
50°-60°	639.8	13.2
60°-70°	584.5	12.0
70°-80°	496.1	10.2
80°-90°	386.0	8.0
90°-100°	272.2	5.6
100°-110°	161.8	3.3
110°-120°	76.6	1.6
120°-130°	22.2	0.5
130°-140°	1.3	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°	949.6	19.6
0°-40°	1560.8	32.2
0°-60°	2853.0	58.8
0°-90°	4319.6	89.0
90°-120°	510.5	10.5
90°-150°	534.0	11.0
90°-180°	534.0	11.0
0°-180°	4853.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1222	1222	1222	1222	1222	
5°	1226	1221	1209	1216	1212	116
15°	1177	1174	1166	1177	1175	332
25°	1083	1084	1085	1102	1102	499
35°	954	959	972	996	1004	597
45°	793	807	838	882	903	612
55°	608	634	705	796	831	545
65°	409	461	600	715	755	405
75°	210	318	499	622	665	222
85°	49	203	391	515	558	55
90°	4	150	334	459	502	5
95°	4	101	276	398	444	3
105°	3	27	157	267	307	3
115°	2	2	64	146	181	3
125°	2	1	3	49	72	2
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°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P289758

CATALOG NUMBER: 4SSRK-TS-60-L940-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1221.7	1221.7	1221.7	1221.7	1221.7
2.5°	1229.9	1225.5	1212.2	1219.1	1215.3
5°	1225.5	1221.0	1209.0	1216.0	1212.2
7.5°	1217.2	1214.1	1202.0	1209.6	1207.1
10°	1207.1	1203.9	1193.2	1202.0	1198.2
12.5°	1193.2	1190.0	1181.1	1190.0	1188.7
15°	1176.7	1174.2	1166.5	1176.7	1174.8
17.5°	1157.0	1155.1	1148.8	1161.5	1158.9
20°	1134.9	1133.6	1131.7	1143.1	1143.7
22.5°	1110.8	1110.8	1109.5	1122.2	1122.8
25°	1082.9	1083.5	1084.8	1101.9	1101.9
27.5°	1054.4	1056.3	1059.5	1075.9	1079.7
30°	1022.7	1025.9	1032.8	1050.6	1056.3
32.5°	989.1	994.2	1001.8	1024.0	1029.7
35°	954.3	959.3	972.0	996.1	1004.3
37.5°	916.9	922.6	939.1	966.3	977.1
40°	877.6	883.9	906.1	940.3	949.8
42.5°	837.7	846.6	873.8	910.6	925.1
45°	793.3	806.6	837.7	882.0	903.0
47.5°	749.0	764.8	803.5	858.0	883.3
50°	703.4	721.1	769.3	836.4	865.6
52.5°	657.7	677.4	735.7	816.1	847.8
55°	608.3	634.3	704.6	796.5	830.7
57.5°	562.7	590.6	676.7	776.9	814.2
60°	511.4	546.8	650.8	756.6	795.9
62.5°	460.7	503.1	626.0	735.7	774.3
65°	408.7	461.3	600.1	714.8	754.7
67.5°	357.4	418.8	576.0	693.2	734.4
70°	308.6	382.1	549.4	671.0	712.9
72.5°	257.3	349.8	524.7	647.6	689.4
75°	209.7	318.1	498.7	622.2	664.7
77.5°	161.6	288.3	473.3	596.9	640.6
80°	121.0	260.4	445.5	570.3	613.4
82.5°	82.4	232.5	418.2	543.0	588.0
85°	49.4	202.8	391.0	515.2	558.2
87.5°	22.2	176.8	361.2	486.6	531.6
90°	3.8	150.2	333.9	459.4	502.5
92.5°	4.4	126.1	306.1	430.2	473.3
95°	3.8	100.8	275.6	397.9	444.2
97.5°	3.8	79.2	243.3	366.2	408.7
100°	3.2	58.9	212.3	332.7	374.5
102.5°	3.2	41.8	184.4	299.7	341.5
105°	3.2	27.2	157.1	266.8	307.3
107.5°	3.2	15.2	130.5	235.1	276.3
110°	3.2	5.7	106.5	206.6	240.8



TEST NUMBER: P289758

CATALOG NUMBER: 4SSRK-TS-60-L940-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	2.5	83.0	174.9	210.4
115°	2.5	2.5	64.0	146.4	181.2
117.5°	2.5	1.9	43.7	119.8	151.4
120°	2.5	1.9	27.2	95.7	122.9
122.5°	1.9	1.3	13.3	71.0	98.2
125°	1.9	1.3	3.2	48.8	71.6
127.5°	1.9	0.6	0.0	29.1	49.4
130°	1.3	0.6	0.0	13.9	29.1
132.5°	1.3	0.6	0.0	2.5	12.7
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)