

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: **4SSRK-TB-60-L940-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: 4SSRK-TB-60-L940-CD1-U  
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 4000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5096.3 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

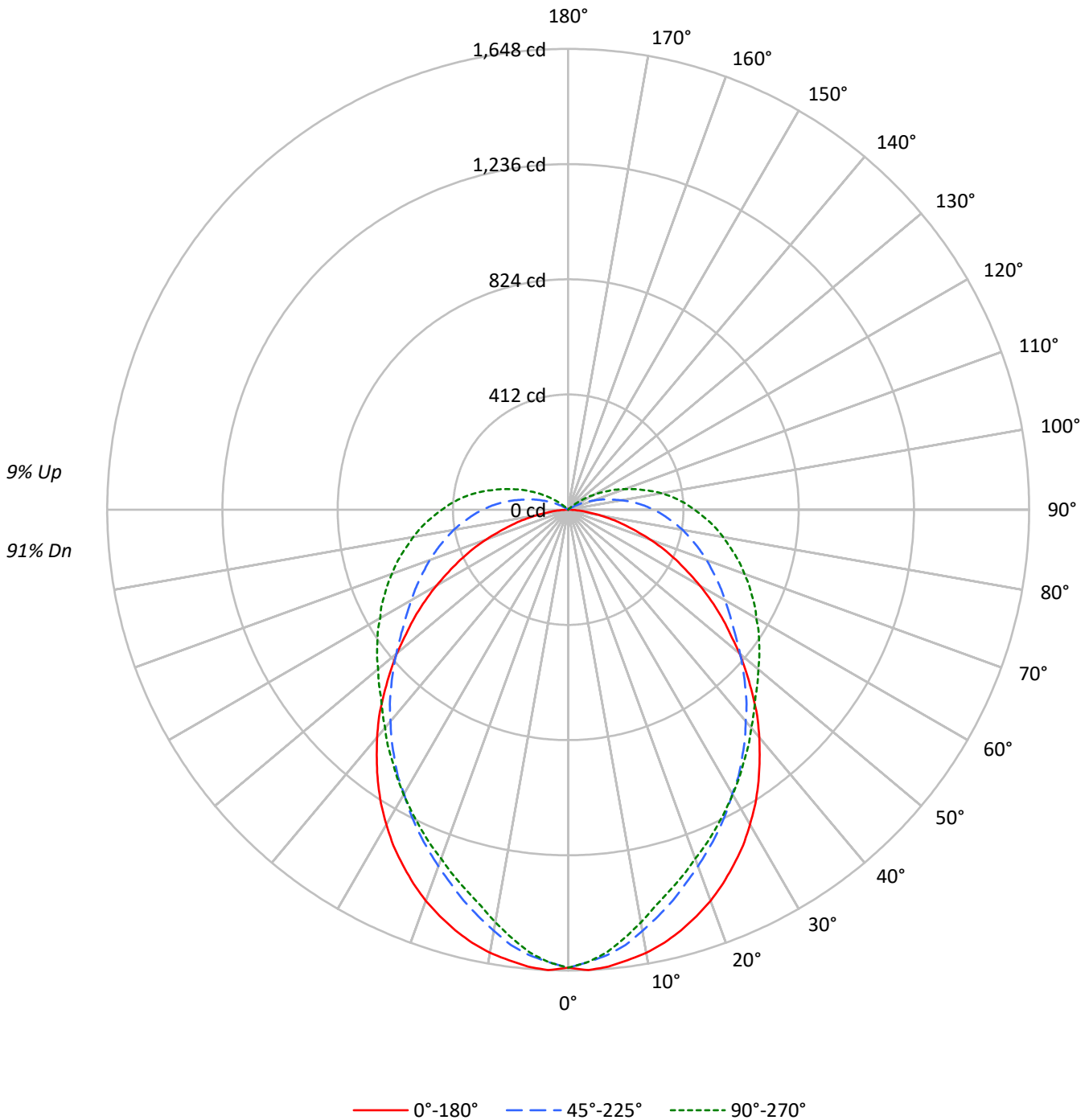
Input Watts (W): 44.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	105768	105768	105768
5°	105947	82928	76295
10°	104767	66686	57623
15°	103000	54784	45442
20°	100746	45697	37170
25°	97890	38763	31173
30°	94654	33021	26500
35°	90878	28456	22737
40°	86550	24505	19714
45°	81631	21187	17290
50°	76528	18291	15457
55°	71256	15888	13973
60°	65561	14052	12648
65°	59690	12549	11563
70°	52880	11223	10560
75°	44550	10040	9657
80°	34926	8974	8828
85°	21985	7891	8059



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.6	3.0
10°-20°	413.2	8.1
20°-30°	597.9	11.7
30°-40°	695.5	13.6
40°-50°	707.9	13.9
50°-60°	658.7	12.9
60°-70°	573.6	11.3
70°-80°	466.9	9.2
80°-90°	353.7	6.9
90°-100°	245.3	4.8
100°-110°	144.1	2.8
110°-120°	67.6	1.3
120°-130°	19.2	0.4
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°	1162.7	22.8
0°-40°	1858.2	36.5
0°-60°	3224.8	63.3
0°-90°	4619.0	90.6
90°-120°	457.0	9.0
90°-150°	477.3	9.4
90°-180°	477.0	9.4
0°-180°	5096.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1638	1638	1638	1638	1638	
5°	1640	1627	1599	1599	1589	155
15°	1558	1516	1447	1421	1408	439
25°	1400	1338	1269	1258	1253	645
35°	1186	1124	1083	1094	1096	741
45°	931	895	895	931	946	719
55°	670	668	717	802	833	599
65°	426	462	585	689	725	422
75°	206	302	469	578	616	220
85°	44	188	358	472	508	50
90°	0	137	304	415	451	2
95°	0	88	250	361	397	0
105°	0	21	142	240	273	0
115°	0	0	57	132	160	0
125°	0	0	3	44	64	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°	3	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°	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1648.0	1640.2	1619.6	1627.3	1619.6
5°	1640.2	1627.3	1599.0	1599.0	1588.7
7.5°	1624.8	1609.3	1570.6	1557.7	1544.8
10°	1609.3	1586.1	1529.3	1513.9	1498.4
12.5°	1586.1	1552.5	1488.1	1464.9	1449.4
15°	1557.7	1516.4	1446.8	1421.0	1408.1
17.5°	1524.2	1477.8	1400.4	1379.8	1369.4
20°	1488.1	1433.9	1356.5	1338.5	1328.2
22.5°	1446.8	1384.9	1312.7	1299.8	1292.1
25°	1400.4	1338.5	1268.9	1258.5	1253.4
27.5°	1354.0	1286.9	1222.4	1217.3	1214.7
30°	1299.8	1235.3	1173.4	1176.0	1176.0
32.5°	1245.6	1181.2	1132.2	1137.3	1137.3
35°	1186.3	1124.4	1083.2	1093.5	1096.1
37.5°	1124.4	1070.3	1036.8	1052.2	1060.0
40°	1062.5	1013.5	987.7	1011.0	1018.7
42.5°	1000.6	954.2	943.9	972.3	982.6
45°	931.0	894.9	894.9	931.0	946.5
47.5°	864.0	840.7	848.5	894.9	918.1
50°	799.5	781.4	802.1	861.4	887.2
52.5°	729.9	724.7	758.2	830.4	861.4
55°	670.5	668.0	717.0	802.1	833.0
57.5°	606.1	613.8	680.9	773.7	807.2
60°	544.2	559.6	647.3	745.3	776.3
62.5°	482.3	513.2	616.4	717.0	753.1
65°	425.5	461.6	585.4	688.6	724.7
67.5°	368.8	415.2	554.5	662.8	698.9
70°	312.1	374.0	526.1	634.4	670.5
72.5°	255.3	337.8	497.7	606.1	644.7
75°	206.3	301.7	469.4	577.7	616.4
77.5°	159.9	273.4	441.0	554.5	588.0
80°	116.1	242.4	415.2	526.1	562.2
82.5°	74.8	216.6	386.8	497.7	536.4
85°	43.8	188.3	358.5	472.0	508.1
87.5°	18.1	159.9	332.7	443.6	479.7
90°	0.0	136.7	304.3	415.2	451.3
92.5°	0.0	113.5	278.5	389.4	425.5
95°	0.0	87.7	250.2	361.1	397.2
97.5°	0.0	67.1	221.8	332.7	368.8
100°	0.0	51.6	193.4	299.2	337.8
102.5°	0.0	36.1	165.1	268.2	306.9
105°	0.0	20.6	141.8	239.8	273.4
107.5°	0.0	10.3	118.6	211.5	245.0
110°	0.0	2.6	95.4	183.1	214.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	74.8	157.3	188.3
115°	0.0	0.0	56.7	131.5	159.9
117.5°	0.0	0.0	38.7	108.3	134.1
120°	0.0	0.0	23.2	85.1	108.3
122.5°	0.0	0.0	10.3	64.5	85.1
125°	0.0	0.0	2.6	43.8	64.5
127.5°	0.0	0.0	0.0	25.8	43.8
130°	0.0	0.0	0.0	12.9	25.8
132.5°	0.0	0.0	0.0	2.6	10.3
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°	2.6	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)