

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-L935-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-L935-CD1-U  
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 3500K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4975.8 lumens  
Efficiency: N/A  
Efficacy: 111.1 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

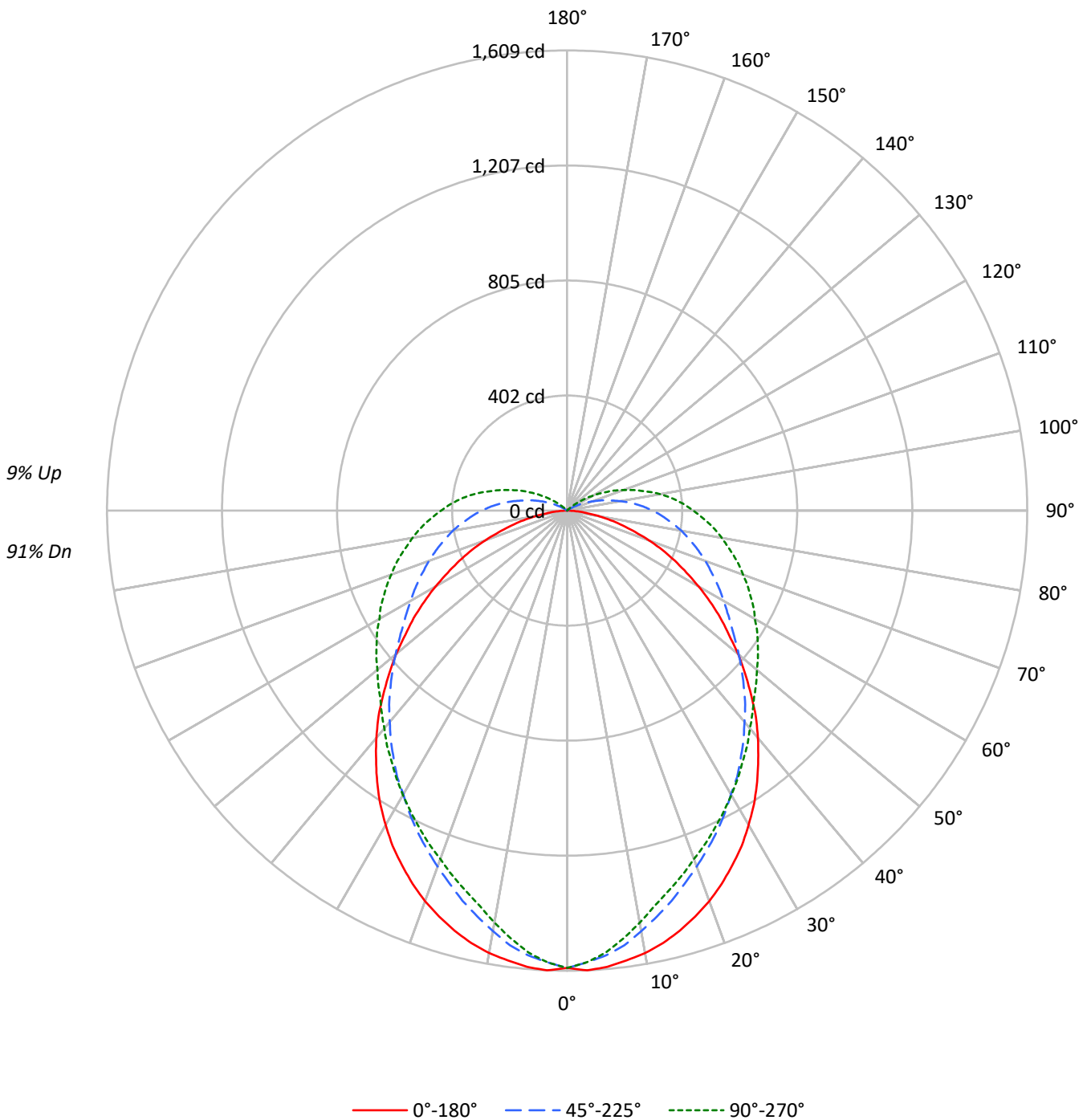
Input Watts (W): 44.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	45°	90°
0°	103262	103262	103262
5°	103441	80968	74490
10°	102287	65112	56261
15°	100566	53489	44368
20°	98363	44619	36291
25°	95576	37847	30434
30°	92419	32241	25874
35°	88733	27784	22197
40°	84506	23927	19248
45°	79702	20685	16880
50°	74719	17858	15091
55°	69577	15511	13642
60°	64007	13720	12348
65°	58287	12253	11290
70°	51626	10958	10311
75°	43492	9803	9428
80°	34084	8762	8619
85°	21483	7704	7867



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.0	3.0
10°-20°	403.5	8.1
20°-30°	583.7	11.7
30°-40°	679.0	13.6
40°-50°	691.2	13.9
50°-60°	643.1	12.9
60°-70°	560.0	11.3
70°-80°	455.9	9.2
80°-90°	345.3	6.9
90°-100°	239.5	4.8
100°-110°	140.7	2.8
110°-120°	66.0	1.3
120°-130°	18.8	0.4
130°-140°	1.0	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°	1135.2	22.8
0°-40°	1814.2	36.5
0°-60°	3148.5	63.3
0°-90°	4509.8	90.6
90°-120°	446.2	9.0
90°-150°	466.0	9.4
90°-180°	466.0	9.4
0°-180°	4975.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1599	1599	1599	1599	1599	
5°	1601	1589	1561	1561	1551	152
15°	1521	1481	1413	1387	1375	428
25°	1367	1307	1239	1229	1224	630
35°	1158	1098	1058	1068	1070	724
45°	909	874	874	909	924	702
55°	655	652	700	783	813	584
65°	416	451	572	672	708	412
75°	201	295	458	564	602	215
85°	43	184	350	461	496	49
90°	0	134	297	405	441	2
95°	0	86	244	352	388	0
105°	0	20	138	234	267	0
115°	0	0	55	128	156	0
125°	0	0	2	43	63	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°	2	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°	1598.9	1598.9	1598.9	1598.9	1598.9
2.5°	1609.0	1601.4	1581.3	1588.9	1581.3
5°	1601.4	1588.9	1561.2	1561.2	1551.1
7.5°	1586.3	1571.2	1533.5	1520.9	1508.3
10°	1571.2	1548.6	1493.2	1478.1	1463.0
12.5°	1548.6	1515.8	1452.9	1430.2	1415.1
15°	1520.9	1480.6	1412.6	1387.4	1374.8
17.5°	1488.1	1442.8	1367.3	1347.1	1337.1
20°	1452.9	1400.0	1324.5	1306.8	1296.8
22.5°	1412.6	1352.2	1281.7	1269.1	1261.5
25°	1367.3	1306.8	1238.9	1228.8	1223.7
27.5°	1321.9	1256.5	1193.5	1188.5	1186.0
30°	1269.1	1206.1	1145.7	1148.2	1148.2
32.5°	1216.2	1153.2	1105.4	1110.4	1110.4
35°	1158.3	1097.8	1057.6	1067.6	1070.1
37.5°	1097.8	1045.0	1012.2	1027.3	1034.9
40°	1037.4	989.6	964.4	987.1	994.6
42.5°	977.0	931.7	921.6	949.3	959.4
45°	909.0	873.7	873.7	909.0	924.1
47.5°	843.5	820.9	828.4	873.7	896.4
50°	780.6	763.0	783.1	841.0	866.2
52.5°	712.6	707.6	740.3	810.8	841.0
55°	654.7	652.2	700.0	783.1	813.3
57.5°	591.7	599.3	664.7	755.4	788.1
60°	531.3	546.4	632.0	727.7	757.9
62.5°	470.9	501.1	601.8	700.0	735.3
65°	415.5	450.7	571.6	672.3	707.6
67.5°	360.1	405.4	541.4	647.1	682.4
70°	304.7	365.1	513.7	619.4	654.7
72.5°	249.3	329.9	486.0	591.7	629.5
75°	201.4	294.6	458.3	564.0	601.8
77.5°	156.1	266.9	430.6	541.4	574.1
80°	113.3	236.7	405.4	513.7	548.9
82.5°	73.0	211.5	377.7	486.0	523.7
85°	42.8	183.8	350.0	460.8	496.0
87.5°	17.6	156.1	324.8	433.1	468.3
90°	0.0	133.5	297.1	405.4	440.6
92.5°	0.0	110.8	271.9	380.2	415.5
95°	0.0	85.6	244.2	352.5	387.8
97.5°	0.0	65.5	216.5	324.8	360.1
100°	0.0	50.4	188.8	292.1	329.9
102.5°	0.0	35.3	161.2	261.9	299.6
105°	0.0	20.1	138.5	234.2	266.9
107.5°	0.0	10.1	115.8	206.5	239.2
110°	0.0	2.5	93.2	178.8	209.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	73.0	153.6	183.8
115°	0.0	0.0	55.4	128.4	156.1
117.5°	0.0	0.0	37.8	105.8	130.9
120°	0.0	0.0	22.7	83.1	105.8
122.5°	0.0	0.0	10.1	62.9	83.1
125°	0.0	0.0	2.5	42.8	62.9
127.5°	0.0	0.0	0.0	25.2	42.8
130°	0.0	0.0	0.0	12.6	25.2
132.5°	0.0	0.0	0.0	2.5	10.1
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°	2.5	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)