

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: P289757

Luminaire Tested: **4SSRK-TS-60-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289757
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-L935-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4738.9 lumens
Efficiency: N/A
Efficacy: 105.8 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

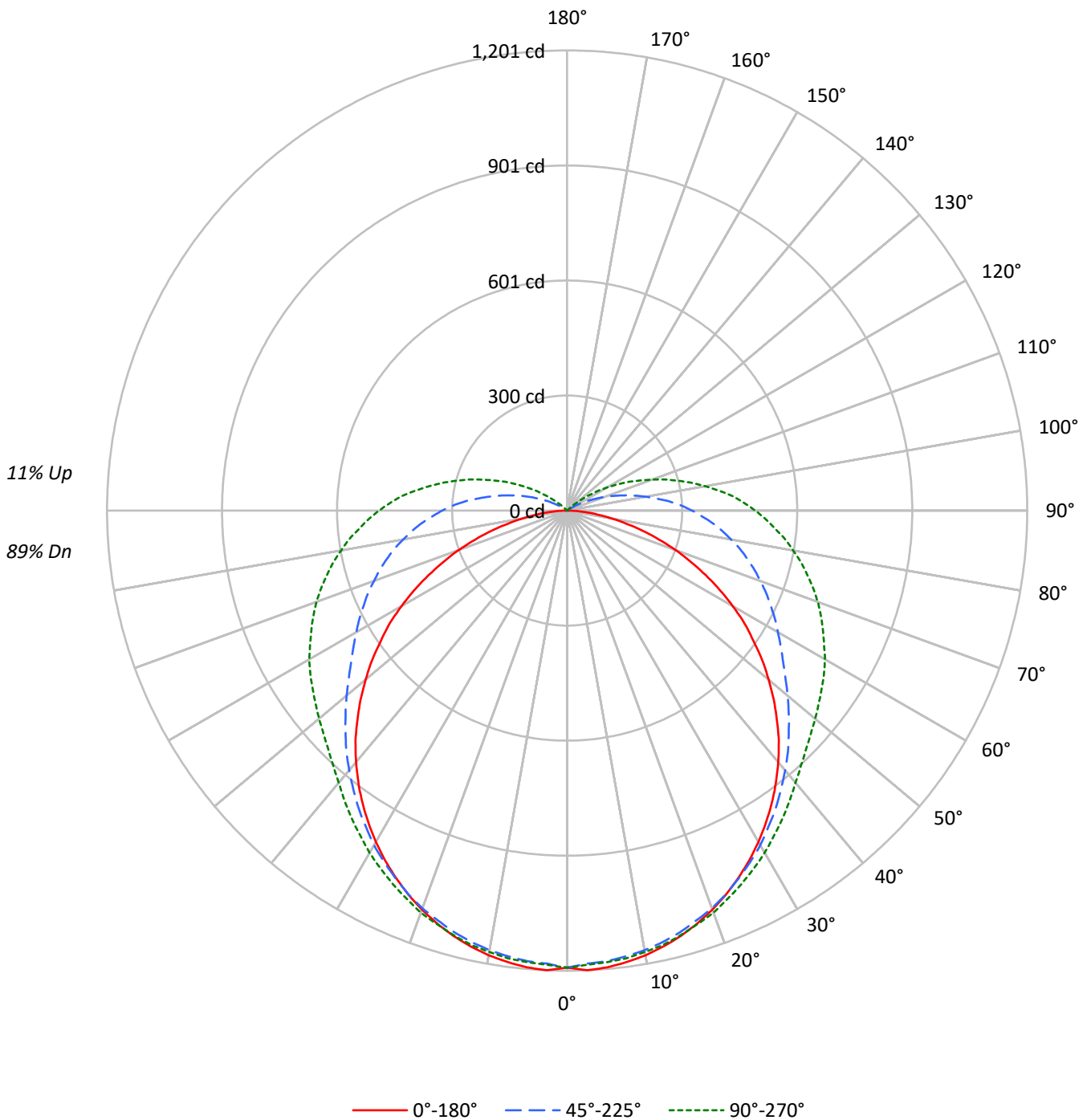
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	77035	77035	77035
5°	77287	61218	56836
10°	76728	50796	44990
15°	75969	43129	37016
20°	75013	37221	31251
25°	73907	32357	26758
30°	72713	28378	23239
35°	71374	24931	20341
40°	69802	21950	17948
45°	67918	19364	16104
50°	65731	17128	14723
55°	63116	15245	13605
60°	60151	13794	12659
65°	55972	12560	11756
70°	51050	11442	10961
75°	44226	10415	10167
80°	35558	9400	9404
85°	24244	8402	8644



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	2.4
10°-20°	323.3	6.8
20°-30°	491.0	10.4
30°-40°	596.8	12.6
40°-50°	636.9	13.4
50°-60°	624.7	13.2
60°-70°	570.7	12.0
70°-80°	484.4	10.2
80°-90°	376.9	8.0
90°-100°	265.7	5.6
100°-110°	158.0	3.3
110°-120°	74.8	1.6
120°-130°	21.7	0.5
130°-140°	1.2	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°	927.1	19.6
0°-40°	1523.9	32.2
0°-60°	2785.5	58.8
0°-90°	4217.5	89.0
90°-120°	498.5	10.5
90°-150°	521.4	11.0
90°-180°	521.0	11.0
0°-180°	4738.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1196	1192	1180	1187	1184	114
15°	1149	1146	1139	1149	1147	324
25°	1057	1058	1059	1076	1076	487
35°	932	937	949	972	981	583
45°	775	788	818	861	882	598
55°	594	619	688	778	811	532
65°	399	450	586	698	737	395
75°	205	311	487	608	649	217
85°	48	198	382	503	545	54
90°	4	147	326	448	491	5
95°	4	98	269	388	434	3
105°	3	27	153	260	300	3
115°	2	2	62	143	177	3
125°	2	1	3	48	70	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1192.8	1192.8	1192.8	1192.8	1192.8
2.5°	1200.8	1196.5	1183.5	1190.3	1186.6
5°	1196.5	1192.2	1180.4	1187.2	1183.5
7.5°	1188.5	1185.4	1173.6	1181.0	1178.6
10°	1178.6	1175.5	1164.9	1173.6	1169.9
12.5°	1164.9	1161.9	1153.2	1161.9	1160.6
15°	1148.9	1146.4	1139.0	1148.9	1147.0
17.5°	1129.7	1127.8	1121.6	1134.0	1131.5
20°	1108.0	1106.8	1104.9	1116.1	1116.7
22.5°	1084.5	1084.5	1083.3	1095.7	1096.3
25°	1057.3	1057.9	1059.2	1075.9	1075.9
27.5°	1029.5	1031.3	1034.4	1050.5	1054.2
30°	998.5	1001.6	1008.4	1025.7	1031.3
32.5°	965.7	970.7	978.1	999.8	1005.3
35°	931.7	936.7	949.0	972.5	980.6
37.5°	895.2	900.8	916.9	943.5	954.0
40°	856.9	863.0	884.7	918.1	927.4
42.5°	817.9	826.5	853.1	889.0	903.2
45°	774.6	787.6	817.9	861.2	881.6
47.5°	731.3	746.7	784.5	837.7	862.4
50°	686.7	704.0	751.1	816.6	845.1
52.5°	642.2	661.4	718.3	796.8	827.8
55°	593.9	619.3	688.0	777.7	811.1
57.5°	549.4	576.6	660.7	758.5	795.0
60°	499.3	533.9	635.4	738.7	777.0
62.5°	449.8	491.2	611.2	718.3	756.0
65°	399.0	450.4	585.9	697.9	736.8
67.5°	348.9	408.9	562.4	676.8	717.0
70°	301.3	373.1	536.4	655.2	696.0
72.5°	251.2	341.5	512.3	632.3	673.1
75°	204.8	310.6	486.9	607.5	649.0
77.5°	157.8	281.5	462.1	582.8	625.5
80°	118.2	254.3	434.9	556.8	598.9
82.5°	80.4	227.0	408.3	530.2	574.1
85°	48.3	198.0	381.7	503.0	545.0
87.5°	21.7	172.6	352.6	475.1	519.1
90°	3.7	146.6	326.0	448.5	490.6
92.5°	4.3	123.1	298.8	420.1	462.1
95°	3.7	98.4	269.1	388.5	433.7
97.5°	3.7	77.3	237.6	357.6	399.0
100°	3.1	57.5	207.3	324.8	365.6
102.5°	3.1	40.8	180.0	292.6	333.5
105°	3.1	26.6	153.4	260.5	300.1
107.5°	3.1	14.8	127.4	229.5	269.7
110°	3.1	5.6	103.9	201.7	235.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	2.5	81.0	170.8	205.4
115°	2.5	2.5	62.5	142.9	176.9
117.5°	2.5	1.9	42.7	116.9	147.9
120°	2.5	1.9	26.6	93.4	120.0
122.5°	1.9	1.2	13.0	69.3	95.9
125°	1.9	1.2	3.1	47.6	69.9
127.5°	1.9	0.6	0.0	28.5	48.3
130°	1.2	0.6	0.0	13.6	28.5
132.5°	1.2	0.6	0.0	2.5	12.4
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)