

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: P289789

Luminaire Tested: **8SSRK-TS-60-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289789
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: 8SSRK-TS-60-L935-CD1-U
Description: 6000 LUMEN, 8 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: 4699.8 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

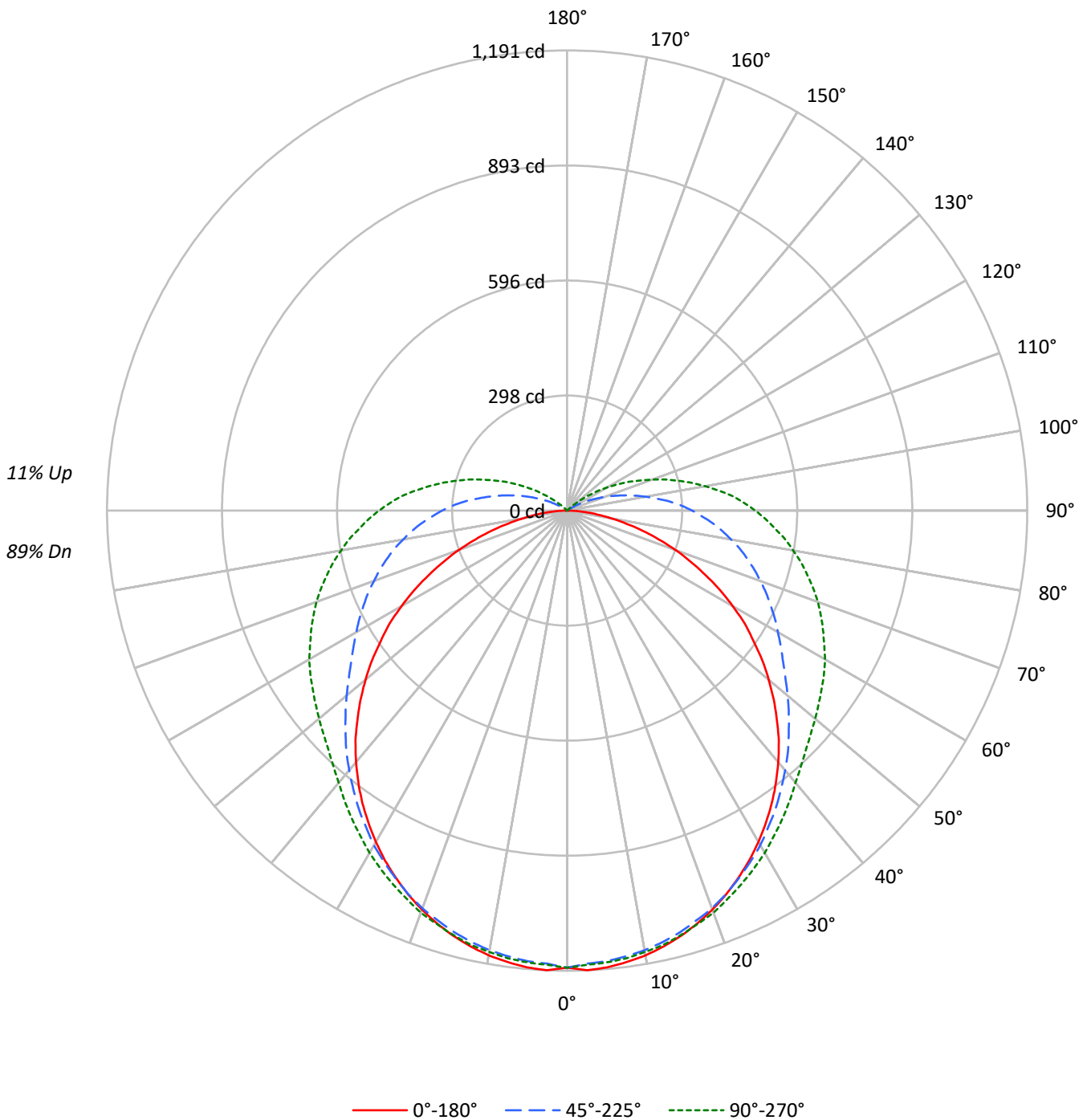
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	38201	38201	38201
5°	38393	30389	28185
10°	38188	25235	22310
15°	37879	21434	18356
20°	37478	18506	15497
25°	37002	16092	13268
30°	36486	14117	11524
35°	35901	12406	10086
40°	35207	10924	8899
45°	34365	9638	7985
50°	33387	8527	7301
55°	32202	7591	6747
60°	30868	6869	6277
65°	28949	6256	5830
70°	26684	5700	5436
75°	23512	5189	5041
80°	19491	4684	4663
85°	14334	4188	4287



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	2.4
10°-20°	320.7	6.8
20°-30°	486.9	10.4
30°-40°	591.9	12.6
40°-50°	631.7	13.4
50°-60°	619.5	13.2
60°-70°	566.0	12.0
70°-80°	480.4	10.2
80°-90°	373.8	8.0
90°-100°	263.5	5.6
100°-110°	156.7	3.3
110°-120°	74.2	1.6
120°-130°	21.5	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°	919.5	19.6
0°-40°	1511.4	32.2
0°-60°	2762.5	58.8
0°-90°	4182.7	89.0
90°-120°	494.4	10.5
90°-150°	517.1	11.0
90°-180°	517.0	11.0
0°-180°	4699.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1183	1183	1183	1183	1183	
5°	1187	1182	1171	1177	1174	113
15°	1139	1137	1130	1139	1138	321
25°	1049	1049	1050	1067	1067	483
35°	924	929	941	964	972	578
45°	768	781	811	854	874	593
55°	589	614	682	771	804	528
65°	396	447	581	692	731	392
75°	203	308	483	602	644	215
85°	48	196	379	499	541	54
90°	4	145	323	445	487	5
95°	4	98	267	385	430	3
105°	3	26	152	258	298	3
115°	2	2	62	142	176	3
125°	2	1	3	47	69	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°	1183.0	1183.0	1183.0	1183.0	1183.0
2.5°	1190.9	1186.6	1173.8	1180.5	1176.8
5°	1186.6	1182.4	1170.7	1177.4	1173.8
7.5°	1178.7	1175.6	1163.9	1171.3	1168.9
10°	1168.9	1165.8	1155.4	1163.9	1160.3
12.5°	1155.4	1152.3	1143.7	1152.3	1151.1
15°	1139.4	1136.9	1129.6	1139.4	1137.6
17.5°	1120.4	1118.5	1112.4	1124.7	1122.2
20°	1098.9	1097.7	1095.8	1106.9	1107.5
22.5°	1075.6	1075.6	1074.4	1086.6	1087.2
25°	1048.6	1049.2	1050.4	1067.0	1067.0
27.5°	1021.0	1022.8	1025.9	1041.8	1045.5
30°	990.3	993.4	1000.1	1017.3	1022.8
32.5°	957.8	962.7	970.1	991.5	997.1
35°	924.0	928.9	941.2	964.5	972.5
37.5°	887.8	893.4	909.3	935.7	946.1
40°	849.8	855.9	877.4	910.5	919.7
42.5°	811.1	819.7	846.1	881.7	895.8
45°	768.2	781.1	811.1	854.1	874.3
47.5°	725.2	740.6	778.0	830.8	855.3
50°	681.1	698.2	744.9	809.9	838.1
52.5°	636.9	655.9	712.4	790.3	821.0
55°	589.0	614.2	682.3	771.3	804.4
57.5°	544.9	571.8	655.3	752.2	788.4
60°	495.2	529.5	630.1	732.6	770.6
62.5°	446.1	487.2	606.2	712.4	749.8
65°	395.8	446.7	581.1	692.1	730.8
67.5°	346.1	405.6	557.7	671.2	711.1
70°	298.8	370.0	532.0	649.8	690.3
72.5°	249.1	338.7	508.0	627.1	667.6
75°	203.1	308.0	482.9	602.5	643.6
77.5°	156.5	279.2	458.3	578.0	620.3
80°	117.2	252.2	431.3	552.2	593.9
82.5°	79.8	225.2	405.0	525.8	569.4
85°	47.9	196.3	378.6	498.8	540.6
87.5°	21.5	171.2	349.7	471.2	514.8
90°	3.7	145.4	323.4	444.8	486.6
92.5°	4.3	122.1	296.4	416.6	458.3
95°	3.7	97.6	266.9	385.3	430.1
97.5°	3.7	76.7	235.6	354.6	395.8
100°	3.1	57.1	205.5	322.1	362.6
102.5°	3.1	40.5	178.5	290.2	330.7
105°	3.1	26.4	152.2	258.3	297.6
107.5°	3.1	14.7	126.4	227.6	267.5
110°	3.1	5.5	103.1	200.0	233.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	2.5	80.4	169.3	203.7
115°	2.5	2.5	62.0	141.7	175.5
117.5°	2.5	1.8	42.3	116.0	146.6
120°	2.5	1.8	26.4	92.6	119.0
122.5°	1.8	1.2	12.9	68.7	95.1
125°	1.8	1.2	3.1	47.2	69.3
127.5°	1.8	0.6	0.0	28.2	47.9
130°	1.2	0.6	0.0	13.5	28.2
132.5°	1.2	0.6	0.0	2.5	12.3
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°	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)