

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: P289796

Luminaire Tested: **8SSRK-TS-80-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289796
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-80-L930-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6052.6 lumens
Efficiency: N/A
Efficacy: 106.8 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

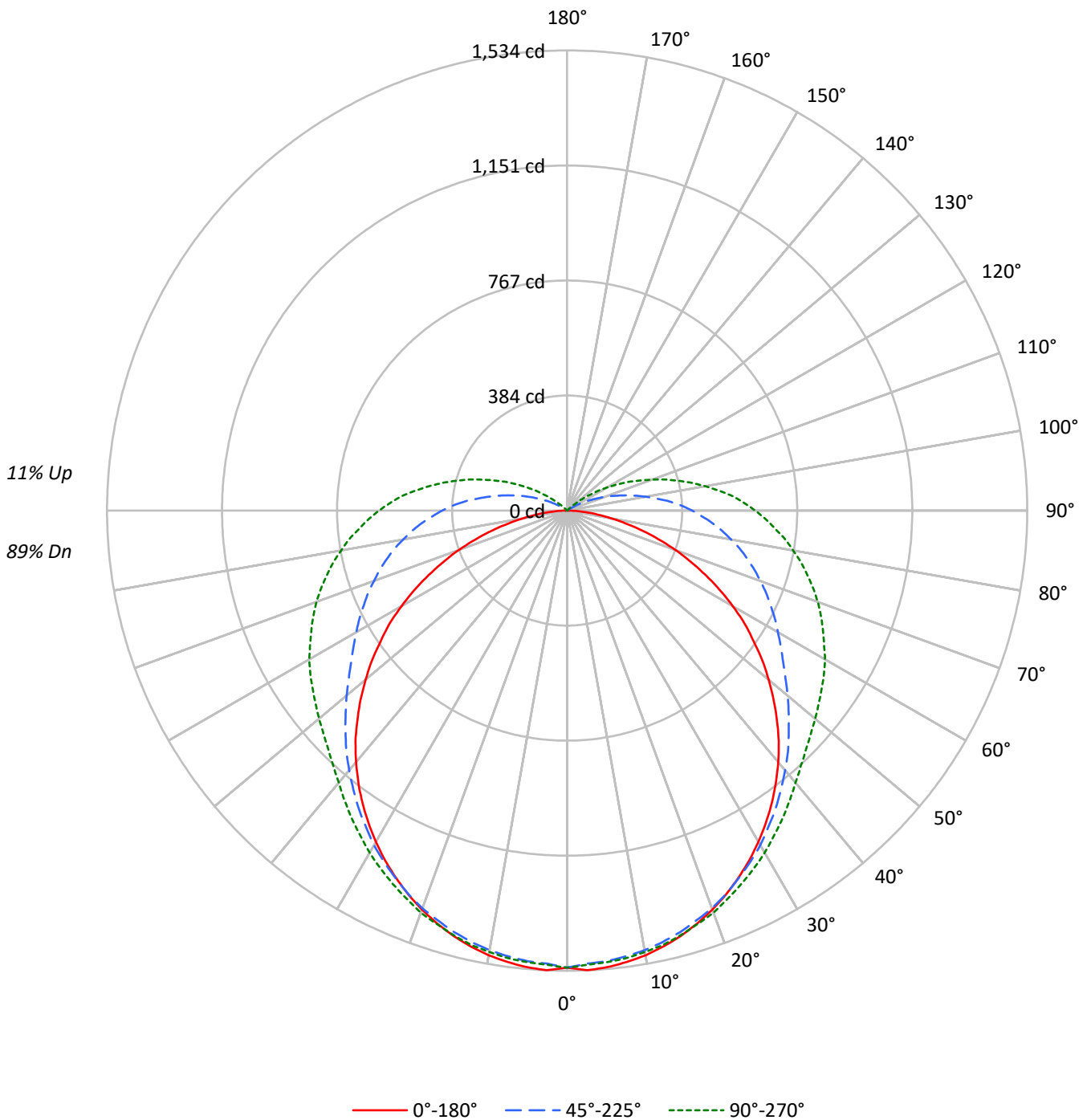
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
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	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°	49196	49196	49196
5°	49446	39137	36296
10°	49178	32496	28731
15°	48784	27603	23639
20°	48266	23834	19958
25°	47651	20724	17087
30°	46987	18181	14841
35°	46236	15976	12989
40°	45340	14069	11462
45°	44256	12413	10284
50°	42995	10982	9403
55°	41474	9776	8688
60°	39750	8846	8085
65°	37280	8056	7508
70°	34364	7341	7000
75°	30272	6683	6493
80°	25096	6032	6006
85°	18433	5392	5520



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.1	2.4
10°-20°	413.0	6.8
20°-30°	627.1	10.4
30°-40°	762.2	12.6
40°-50°	813.5	13.4
50°-60°	797.8	13.2
60°-70°	728.9	12.0
70°-80°	618.6	10.2
80°-90°	481.4	8.0
90°-100°	339.4	5.6
100°-110°	201.8	3.3
110°-120°	95.5	1.6
120°-130°	27.7	0.5
130°-140°	1.6	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°	1184.2	19.6
0°-40°	1946.4	32.2
0°-60°	3557.7	58.8
0°-90°	5386.7	89.0
90°-120°	636.7	10.5
90°-150°	666.0	11.0
90°-180°	666.0	11.0
0°-180°	6052.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1524	1524	1524	1524	1524	
5°	1528	1523	1508	1516	1512	145
15°	1467	1464	1455	1467	1465	414
25°	1350	1351	1353	1374	1374	622
35°	1190	1196	1212	1242	1252	744
45°	989	1006	1045	1100	1126	763
55°	759	791	879	993	1036	679
65°	510	575	748	891	941	505
75°	262	397	622	776	829	277
85°	62	253	488	642	696	69
90°	5	187	416	573	627	6
95°	5	126	344	496	554	4
105°	4	34	196	333	383	4
115°	3	3	80	182	226	3
125°	2	2	4	61	89	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°	1523.5	1523.5	1523.5	1523.5	1523.5
2.5°	1533.7	1528.2	1511.6	1520.3	1515.6
5°	1528.2	1522.7	1507.7	1516.4	1511.6
7.5°	1517.9	1514.0	1499.0	1508.4	1505.3
10°	1505.3	1501.3	1487.9	1499.0	1494.2
12.5°	1487.9	1484.0	1472.9	1484.0	1482.4
15°	1467.4	1464.2	1454.7	1467.4	1465.0
17.5°	1442.9	1440.5	1432.6	1448.4	1445.2
20°	1415.2	1413.6	1411.3	1425.5	1426.3
22.5°	1385.2	1385.2	1383.6	1399.4	1400.2
25°	1350.4	1351.2	1352.8	1374.1	1374.1
27.5°	1314.9	1317.2	1321.2	1341.7	1346.5
30°	1275.3	1279.3	1288.0	1310.1	1317.2
32.5°	1233.5	1239.8	1249.3	1276.9	1284.0
35°	1190.0	1196.3	1212.1	1242.2	1252.4
37.5°	1143.4	1150.5	1171.0	1205.0	1218.5
40°	1094.4	1102.3	1130.0	1172.6	1184.5
42.5°	1044.6	1055.7	1089.7	1135.5	1153.7
45°	989.3	1005.9	1044.6	1099.9	1126.0
47.5°	934.0	953.7	1001.9	1069.9	1101.5
50°	877.1	899.2	959.3	1043.0	1079.4
52.5°	820.2	844.7	917.4	1017.7	1057.3
55°	758.6	791.0	878.7	993.3	1035.9
57.5°	701.7	736.4	843.9	968.8	1015.4
60°	637.7	681.9	811.5	943.5	992.5
62.5°	574.5	627.4	780.7	917.4	965.6
65°	509.7	575.2	748.3	891.3	941.1
67.5°	445.7	522.3	718.3	864.5	915.8
70°	384.8	476.5	685.1	836.8	889.0
72.5°	320.8	436.2	654.3	807.6	859.7
75°	261.5	396.7	621.9	776.0	828.9
77.5°	201.5	359.5	590.3	744.3	798.9
80°	150.9	324.8	555.5	711.2	764.9
82.5°	102.7	290.0	521.5	677.2	733.3
85°	61.6	252.9	487.5	642.4	696.1
87.5°	27.7	220.5	450.4	606.9	663.0
90°	4.7	187.3	416.4	572.9	626.6
92.5°	5.5	157.2	381.7	536.5	590.3
95°	4.7	125.6	343.7	496.2	553.9
97.5°	4.7	98.8	303.4	456.7	509.7
100°	4.0	73.5	264.7	414.8	467.0
102.5°	4.0	52.2	229.9	373.8	425.9
105°	4.0	34.0	196.0	332.7	383.2
107.5°	4.0	19.0	162.8	293.2	344.5
110°	4.0	7.1	132.7	257.6	300.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	3.2	103.5	218.1	262.3
115°	3.2	3.2	79.8	182.5	226.0
117.5°	3.2	2.4	54.5	149.3	188.9
120°	3.2	2.4	34.0	119.3	153.3
122.5°	2.4	1.6	16.6	88.5	122.5
125°	2.4	1.6	4.0	60.8	89.3
127.5°	2.4	0.8	0.0	36.3	61.6
130°	1.6	0.8	0.0	17.4	36.3
132.5°	1.6	0.8	0.0	3.2	15.8
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)