

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: **8SSRK-TB-60-L930-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: 8SSRK-TB-60-L930-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4649.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

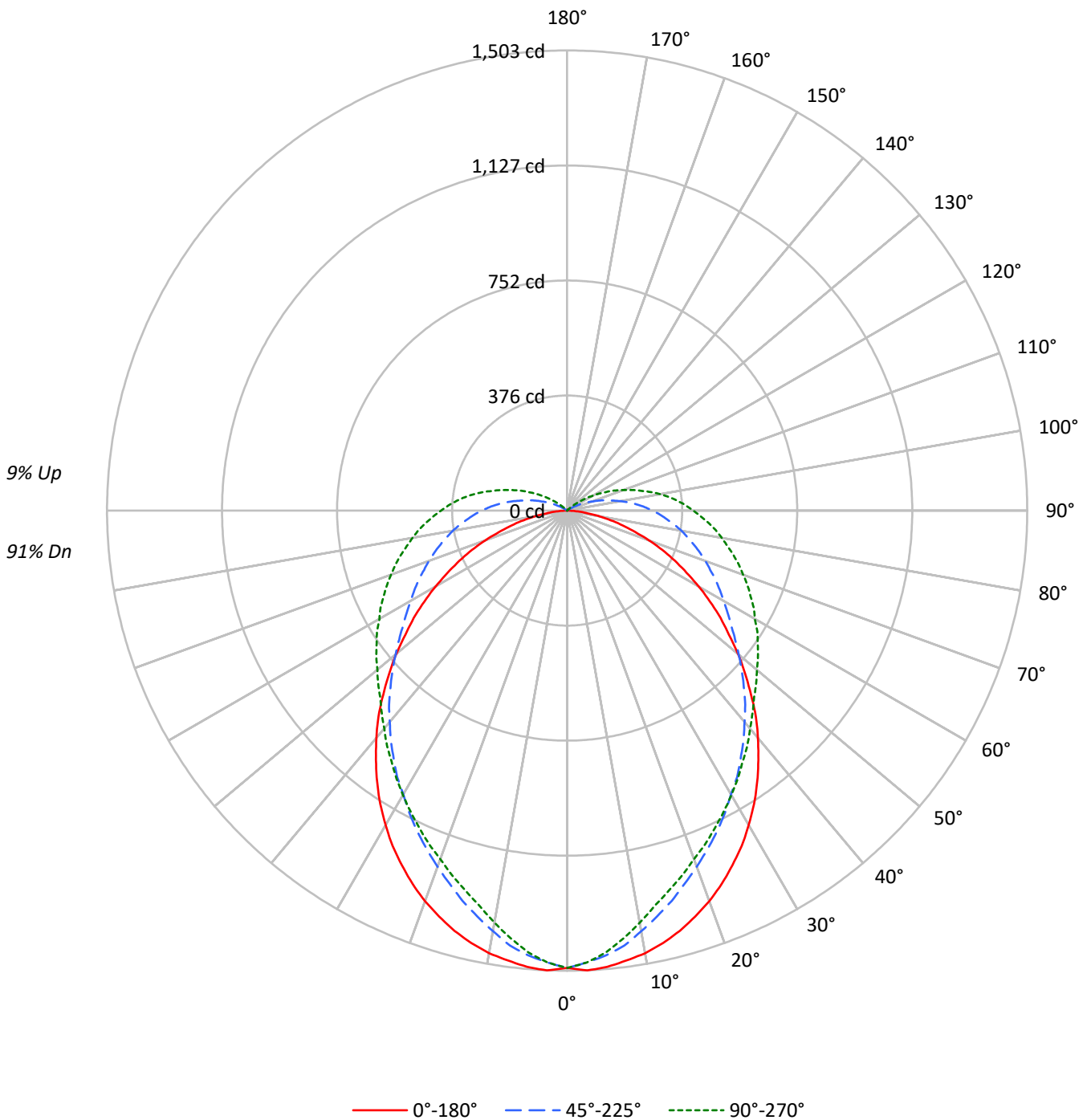
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	48240	48240	48240
5°	48414	37862	34798
10°	47959	30470	26283
15°	47241	25043	20727
20°	46298	20899	16953
25°	45079	17732	14218
30°	43686	15110	12087
35°	42048	13024	10371
40°	40157	11219	8992
45°	37994	9701	7886
50°	35750	8376	7050
55°	33443	7276	6373
60°	30942	6437	5768
65°	28393	5749	5274
70°	25424	5142	4817
75°	21787	4601	4404
80°	17612	4114	4027
85°	11970	3617	3676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	3.0
10°-20°	377.0	8.1
20°-30°	545.4	11.7
30°-40°	634.4	13.6
40°-50°	645.8	13.9
50°-60°	600.9	12.9
60°-70°	523.2	11.3
70°-80°	425.9	9.2
80°-90°	322.7	6.9
90°-100°	223.7	4.8
100°-110°	131.5	2.8
110°-120°	61.7	1.3
120°-130°	17.5	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°	1060.7	22.8
0°-40°	1695.1	36.5
0°-60°	2941.8	63.3
0°-90°	4213.6	90.6
90°-120°	416.9	9.0
90°-150°	435.4	9.4
90°-180°	435.0	9.4
0°-180°	4649.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1494	1494	1494	1494	1494	
5°	1496	1484	1459	1459	1449	142
15°	1421	1383	1320	1296	1284	400
25°	1278	1221	1158	1148	1143	588
35°	1082	1026	988	998	1000	676
45°	849	816	816	849	863	656
55°	612	609	654	732	760	546
65°	388	421	534	628	661	385
75°	188	275	428	527	562	201
85°	40	172	327	430	464	46
90°	0	125	278	379	412	2
95°	0	80	228	329	362	0
105°	0	19	129	219	249	0
115°	0	0	52	120	146	0
125°	0	0	2	40	59	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°	1493.9	1493.9	1493.9	1493.9	1493.9
2.5°	1503.3	1496.3	1477.4	1484.5	1477.4
5°	1496.3	1484.5	1458.6	1458.6	1449.2
7.5°	1482.2	1468.0	1432.7	1421.0	1409.2
10°	1468.0	1446.9	1395.1	1381.0	1366.9
12.5°	1446.9	1416.3	1357.5	1336.3	1322.2
15°	1421.0	1383.3	1319.8	1296.3	1284.5
17.5°	1390.4	1348.1	1277.5	1258.7	1249.2
20°	1357.5	1308.1	1237.5	1221.0	1211.6
22.5°	1319.8	1263.4	1197.5	1185.7	1178.7
25°	1277.5	1221.0	1157.5	1148.1	1143.4
27.5°	1235.1	1174.0	1115.1	1110.4	1108.1
30°	1185.7	1126.9	1070.4	1072.8	1072.8
32.5°	1136.3	1077.5	1032.8	1037.5	1037.5
35°	1082.2	1025.7	988.1	997.5	999.9
37.5°	1025.7	976.3	945.8	959.9	966.9
40°	969.3	924.6	901.1	922.2	929.3
42.5°	912.8	870.5	861.1	886.9	896.4
45°	849.3	816.4	816.4	849.3	863.4
47.5°	788.1	767.0	774.0	816.4	837.5
50°	729.3	712.8	731.7	785.8	809.3
52.5°	665.8	661.1	691.7	757.5	785.8
55°	611.7	609.3	654.0	731.7	759.9
57.5°	552.9	559.9	621.1	705.8	736.4
60°	496.4	510.5	590.5	679.9	708.1
62.5°	439.9	468.2	562.3	654.0	687.0
65°	388.2	421.1	534.0	628.2	661.1
67.5°	336.4	378.8	505.8	604.6	637.6
70°	284.7	341.1	479.9	578.7	611.7
72.5°	232.9	308.2	454.1	552.9	588.2
75°	188.2	275.3	428.2	527.0	562.3
77.5°	145.9	249.4	402.3	505.8	536.4
80°	105.9	221.1	378.8	479.9	512.9
82.5°	68.2	197.6	352.9	454.1	489.3
85°	40.0	171.7	327.0	430.5	463.5
87.5°	16.5	145.9	303.5	404.7	437.6
90°	0.0	124.7	277.6	378.8	411.7
92.5°	0.0	103.5	254.1	355.2	388.2
95°	0.0	80.0	228.2	329.4	362.3
97.5°	0.0	61.2	202.3	303.5	336.4
100°	0.0	47.1	176.4	272.9	308.2
102.5°	0.0	32.9	150.6	244.7	280.0
105°	0.0	18.8	129.4	218.8	249.4
107.5°	0.0	9.4	108.2	192.9	223.5
110°	0.0	2.4	87.0	167.0	195.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	68.2	143.5	171.7
115°	0.0	0.0	51.8	120.0	145.9
117.5°	0.0	0.0	35.3	98.8	122.3
120°	0.0	0.0	21.2	77.6	98.8
122.5°	0.0	0.0	9.4	58.8	77.6
125°	0.0	0.0	2.4	40.0	58.8
127.5°	0.0	0.0	0.0	23.5	40.0
130°	0.0	0.0	0.0	11.8	23.5
132.5°	0.0	0.0	0.0	2.4	9.4
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°	2.4	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)