

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: P#

Luminaire Tested: **6RSRK-65-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-65-HE-L930
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

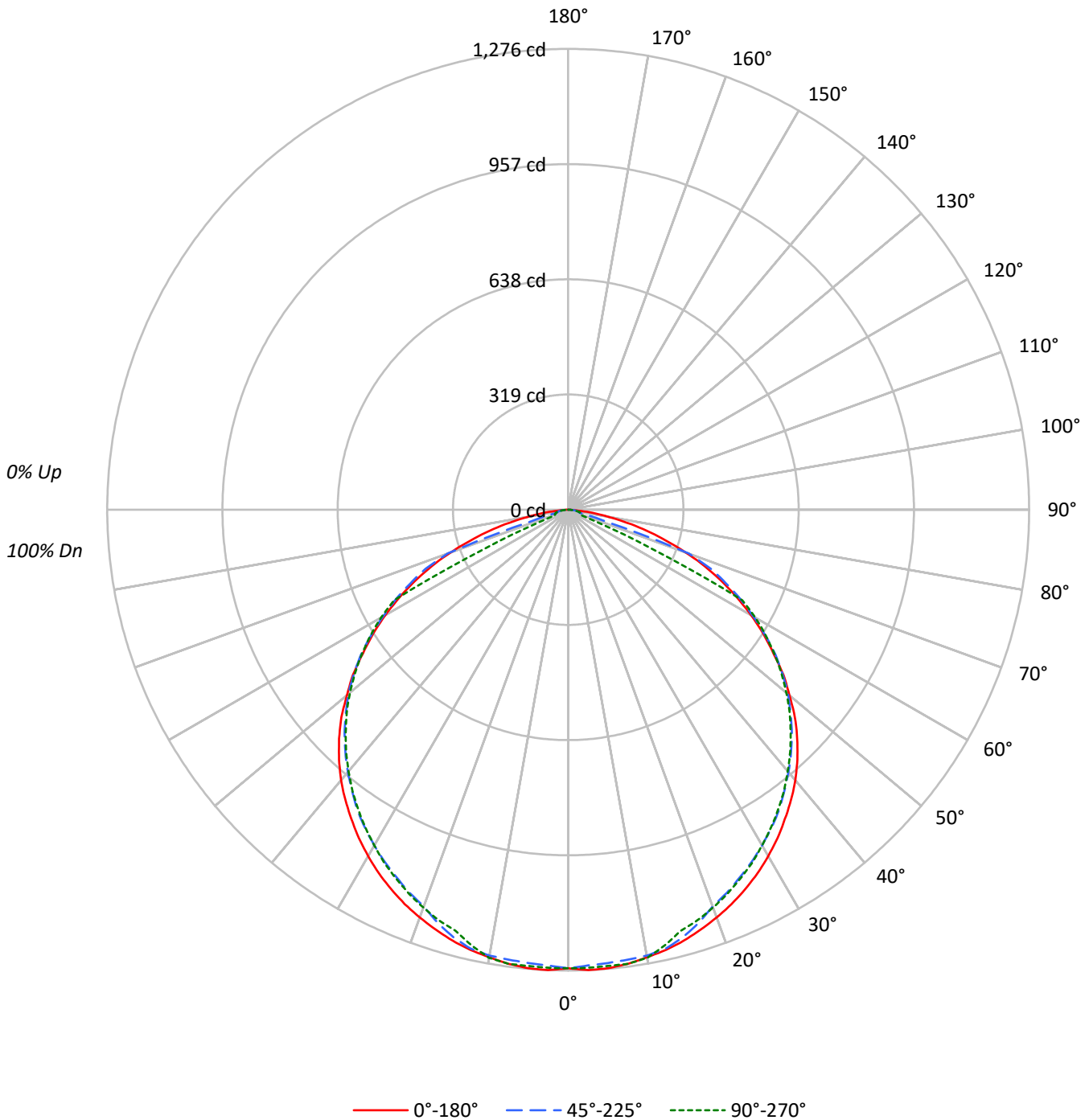
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3495.3 lumens
Efficiency: N/A
Efficacy: 184.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2278	2278	2278
5°	2295	2269	2283
10°	2292	2283	2295
15°	2295	2277	2241
20°	2294	2232	2238
25°	2295	2224	2231
30°	2294	2224	2224
35°	2290	2227	2219
40°	2290	2222	2214
45°	2275	2221	2209
50°	2231	2217	2199
55°	2171	2191	2181
60°	2100	2123	2147
65°	1989	2044	1081
70°	1820	1863	204
75°	1562	225	247
80°	1173	284	284
85°	601	301	268



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	3.5
10°-20°	345.5	9.9
20°-30°	525.3	15.0
30°-40°	639.9	18.3
40°-50°	677.1	19.4
50°-60°	621.1	17.8
60°-70°	418.9	12.0
70°-80°	126.6	3.6
80°-90°	20.3	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	991.5	28.4
0°-40°	1631.3	46.7
0°-60°	2929.5	83.8
0°-90°	3495.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3495.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1270	1270	1270	1270	1270	
5°	1274	1265	1260	1271	1268	121
15°	1236	1229	1226	1216	1206	349
25°	1159	1158	1124	1135	1127	535
35°	1046	1023	1017	1020	1013	655
45°	897	876	876	877	871	690
55°	694	684	700	700	697	621
65°	469	462	482	488	255	463
75°	225	227	32	36	36	239
85°	29	15	15	13	13	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1269.7	1269.7	1269.7	1269.7	1269.7
2.5°	1276.1	1266.4	1263.2	1271.3	1269.7
5°	1274.5	1264.8	1259.9	1271.3	1268.0
7.5°	1268.0	1258.3	1256.7	1269.7	1268.0
10°	1258.3	1251.8	1253.4	1264.8	1259.9
12.5°	1248.6	1242.1	1245.3	1242.1	1235.6
15°	1235.6	1229.1	1225.9	1216.1	1206.4
17.5°	1219.4	1216.1	1199.9	1196.7	1191.8
20°	1201.5	1201.5	1169.1	1178.9	1172.4
22.5°	1182.1	1182.1	1148.0	1157.8	1151.3
25°	1159.4	1157.8	1123.7	1135.1	1127.0
27.5°	1135.1	1127.0	1099.4	1109.1	1102.6
30°	1107.5	1092.9	1073.4	1079.9	1073.4
32.5°	1078.3	1057.2	1045.8	1050.7	1044.2
35°	1045.8	1023.2	1016.7	1019.9	1013.4
37.5°	1013.4	989.1	982.6	987.5	981.0
40°	977.8	955.0	948.6	951.8	945.4
42.5°	938.9	919.4	912.9	914.5	909.6
45°	896.7	875.6	875.6	877.2	870.7
47.5°	851.3	833.5	835.1	836.7	831.8
50°	799.4	786.4	794.5	796.2	788.0
52.5°	750.8	737.8	747.5	750.8	744.3
55°	694.0	684.3	700.5	700.5	697.2
57.5°	640.5	630.7	647.0	653.5	648.6
60°	585.3	575.7	591.8	603.2	598.3
62.5°	527.0	518.9	538.3	552.9	543.2
65°	468.6	462.1	481.6	488.1	254.6
67.5°	408.6	403.7	426.5	154.1	40.5
70°	347.0	342.2	355.1	38.9	38.9
72.5°	283.8	285.4	113.5	37.3	37.3
75°	225.4	227.0	32.4	35.7	35.7
77.5°	167.0	170.2	30.8	32.4	32.4
80°	113.5	82.7	27.5	27.5	27.5
82.5°	68.1	19.5	21.1	21.1	19.5
85°	29.2	14.6	14.6	13.0	13.0
87.5°	9.7	6.5	6.5	4.9	4.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)