

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: P289521

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

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289521  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-RM-65-HE-L930  
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

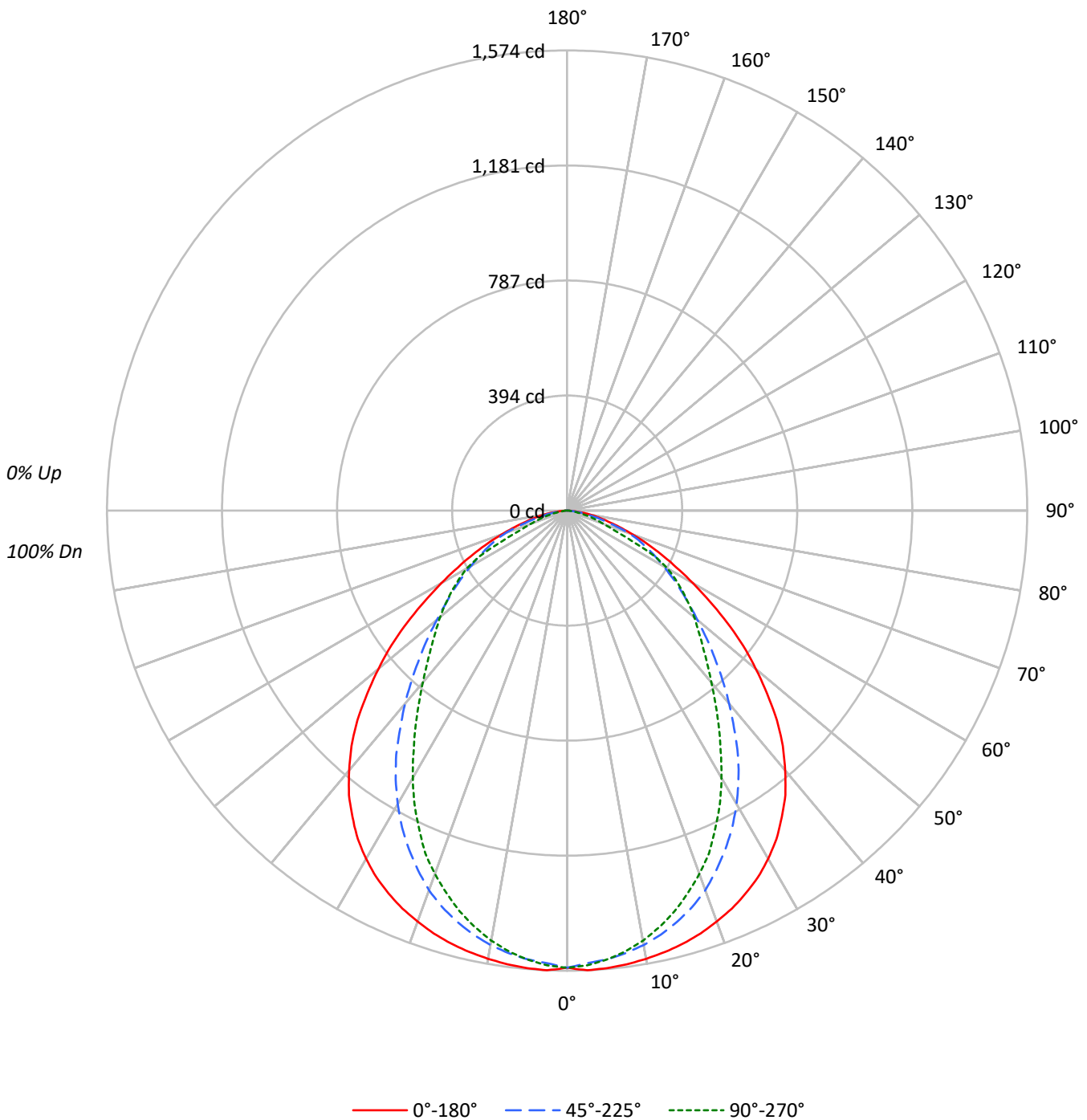
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3319.3 lumens  
Efficiency: N/A  
Efficacy: 175.6 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
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	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					100			
1	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87					87			
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75					75			
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64					64			
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56					56			
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49					49			
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44					44			
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39					39			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35					35			
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32					32			
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29					29			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2805	2805	2805
5°	2829	2776	2777
10°	2836	2748	2721
15°	2848	2704	2636
20°	2855	2638	2524
25°	2861	2532	2374
30°	2849	2402	2188
35°	2804	2231	1980
40°	2717	2019	1797
45°	2574	1811	1662
50°	2353	1623	1584
55°	2088	1483	1507
60°	1781	1366	1422
65°	1504	1279	1015
70°	1244	1164	688
75°	1007	856	539
80°	836	611	333
85°	576	257	224



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.1	4.4
10°-20°	413.4	12.5
20°-30°	598.8	18.0
30°-40°	657.2	19.8
40°-50°	593.8	17.9
50°-60°	463.0	13.9
60°-70°	293.1	8.8
70°-80°	128.3	3.9
80°-90°	24.6	0.7
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°	1159.3	34.9
0°-40°	1816.5	54.7
0°-60°	2873.3	86.6
0°-90°	3319.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3319.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1564	1564	1564	1564	1564	
5°	1571	1560	1541	1550	1542	149
15°	1534	1505	1456	1438	1419	433
25°	1445	1382	1279	1231	1199	666
35°	1280	1166	1019	937	904	799
45°	1015	854	714	671	655	778
55°	668	535	474	481	482	597
65°	354	295	301	288	239	355
75°	145	149	124	89	78	159
85°	28	26	12	11	11	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1563.6	1563.6	1563.6	1563.6	1563.6
2.5°	1573.9	1565.1	1549.6	1561.5	1557.3
5°	1570.8	1560.5	1541.3	1549.6	1542.3
7.5°	1565.1	1552.7	1527.3	1529.8	1521.0
10°	1556.8	1540.2	1508.6	1505.5	1493.5
12.5°	1546.4	1524.1	1485.2	1474.3	1458.8
15°	1533.5	1504.9	1455.7	1438.0	1419.3
17.5°	1516.9	1480.6	1421.9	1393.4	1372.1
20°	1495.6	1452.0	1382.0	1344.6	1322.3
22.5°	1473.3	1419.3	1332.2	1293.3	1268.4
25°	1445.3	1382.0	1279.3	1231.0	1199.4
27.5°	1413.6	1338.9	1222.2	1162.6	1130.9
30°	1375.3	1288.6	1159.4	1087.9	1056.2
32.5°	1332.7	1231.6	1091.0	1014.7	977.9
35°	1280.3	1165.7	1018.9	937.4	904.2
37.5°	1226.4	1094.6	937.9	862.2	833.7
40°	1160.0	1019.4	862.2	792.7	767.3
42.5°	1092.0	935.9	786.5	728.9	708.1
45°	1014.7	853.9	713.8	671.3	655.2
47.5°	928.1	772.4	646.9	620.4	609.0
50°	843.0	691.0	581.5	571.2	567.5
52.5°	758.4	611.1	525.0	526.0	524.0
55°	667.7	535.4	474.2	480.9	481.9
57.5°	577.4	463.3	426.4	438.9	439.9
60°	496.5	401.5	380.8	395.8	396.3
62.5°	421.8	343.9	339.3	353.8	336.7
65°	354.3	294.7	301.4	288.4	239.2
67.5°	294.1	253.7	264.6	201.8	169.6
70°	237.1	213.7	222.0	150.4	131.2
72.5°	187.3	180.5	168.1	117.2	102.2
75°	145.3	149.4	123.5	88.7	77.8
77.5°	111.0	121.4	89.7	63.8	53.4
80°	80.9	90.8	59.1	38.4	32.2
82.5°	53.4	57.1	31.1	19.7	17.1
85°	28.0	26.5	12.5	11.4	10.9
87.5°	11.9	6.7	6.2	5.2	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)