

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: P289568

Luminaire Tested: **8RSRK-RM-100-HE-L930**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289568  
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: 8RSRK-RM-100-HE-L930  
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

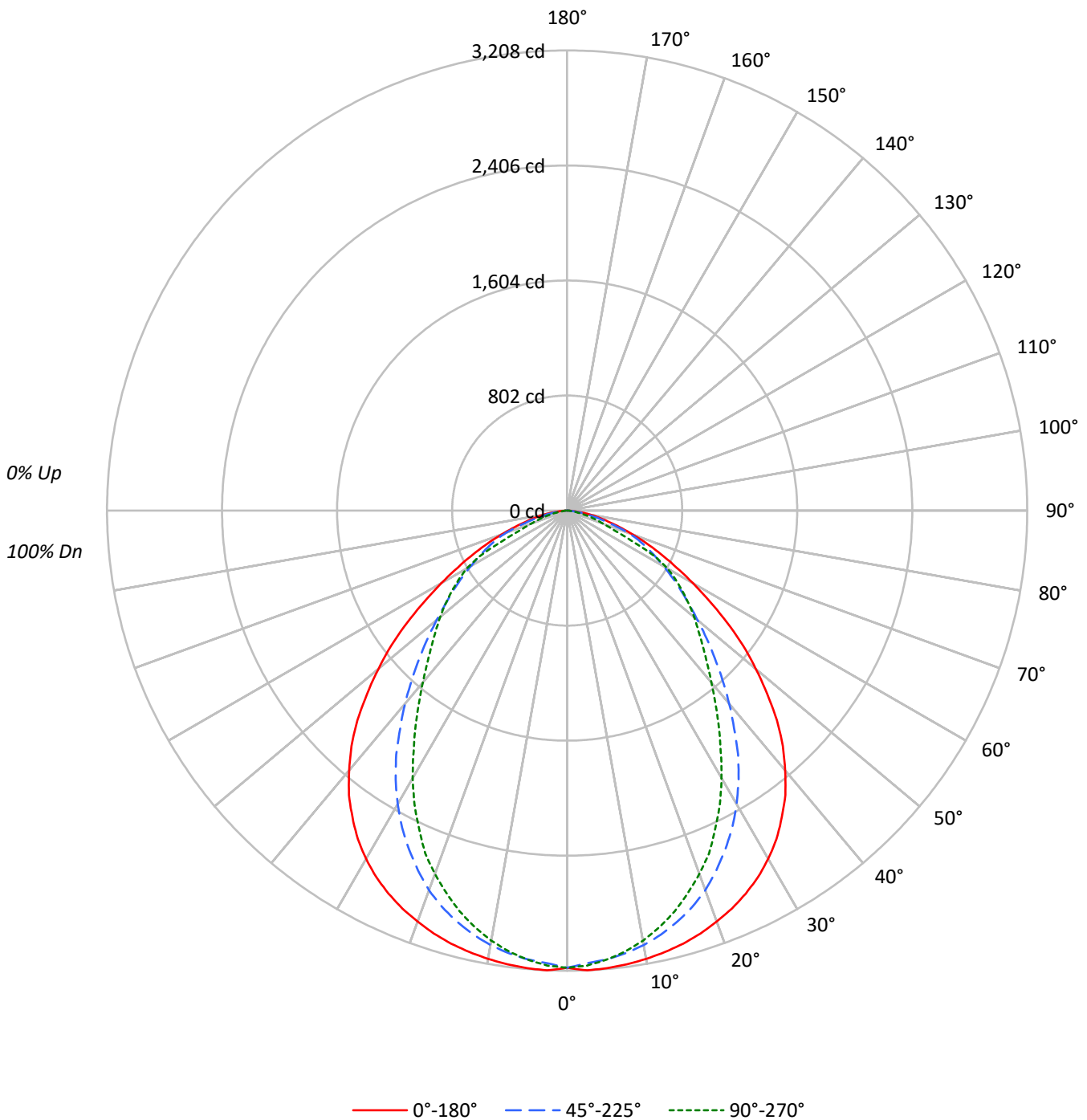
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6765.9 lumens  
Efficiency: N/A  
Efficacy: 234.9 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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°	4288	4288	4288
5°	4325	4243	4246
10°	4336	4201	4159
15°	4354	4133	4030
20°	4365	4033	3859
25°	4374	3871	3630
30°	4355	3672	3345
35°	4287	3411	3027
40°	4153	3087	2747
45°	3936	2769	2541
50°	3597	2481	2421
55°	3192	2267	2304
60°	2723	2088	2174
65°	2299	1956	1552
70°	1901	1781	1052
75°	1539	1308	824
80°	1278	934	508
85°	881	392	343



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.9	4.4
10°-20°	842.7	12.5
20°-30°	1220.5	18.0
30°-40°	1339.6	19.8
40°-50°	1210.3	17.9
50°-60°	943.7	13.9
60°-70°	597.4	8.8
70°-80°	261.6	3.9
80°-90°	50.2	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°	2363.1	34.9
0°-40°	3702.7	54.7
0°-60°	5856.7	86.6
0°-90°	6765.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6765.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3187	3187	3187	3187	3187	
5°	3202	3181	3142	3158	3144	305
15°	3126	3068	2967	2931	2893	883
25°	2946	2817	2608	2509	2445	1357
35°	2610	2376	2077	1911	1843	1629
45°	2068	1740	1455	1368	1336	1586
55°	1361	1091	966	980	982	1216
65°	722	601	614	588	488	724
75°	296	304	252	181	159	324
85°	57	54	25	23	22	74
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3187.1	3187.1	3187.1	3187.1	3187.1
2.5°	3208.2	3190.2	3158.5	3182.8	3174.4
5°	3201.9	3180.7	3141.6	3158.5	3143.7
7.5°	3190.2	3164.9	3113.1	3118.3	3100.4
10°	3173.3	3139.5	3075.0	3068.6	3044.3
12.5°	3152.2	3106.7	3027.4	3005.2	2973.5
15°	3125.7	3067.6	2967.1	2931.2	2893.1
17.5°	3091.9	3017.9	2898.4	2840.2	2796.9
20°	3048.5	2959.7	2817.0	2740.8	2695.4
22.5°	3003.1	2893.1	2715.5	2636.2	2585.4
25°	2946.0	2817.0	2607.6	2509.3	2444.8
27.5°	2881.5	2729.2	2491.3	2369.7	2305.2
30°	2803.2	2626.6	2363.3	2217.4	2152.9
32.5°	2716.5	2510.3	2223.8	2068.3	1993.2
35°	2609.7	2376.0	2076.8	1910.8	1843.1
37.5°	2499.7	2231.2	1911.8	1757.4	1699.3
40°	2364.4	2077.8	1757.4	1615.7	1563.9
42.5°	2225.9	1907.6	1603.1	1485.7	1443.4
45°	2068.3	1740.5	1455.0	1368.3	1335.5
47.5°	1891.7	1574.5	1318.6	1264.7	1241.4
50°	1718.3	1408.5	1185.4	1164.2	1156.8
52.5°	1546.0	1245.6	1070.1	1072.2	1068.0
55°	1360.9	1091.3	966.5	980.2	982.3
57.5°	1176.9	944.3	869.2	894.6	896.7
60°	1012.0	818.4	776.1	806.8	807.9
62.5°	859.7	701.1	691.6	721.2	686.3
65°	722.2	600.6	614.4	587.9	487.5
67.5°	599.6	517.1	539.3	411.3	345.8
70°	483.2	435.7	452.6	306.7	267.5
72.5°	381.7	368.0	342.6	239.0	208.3
75°	296.1	304.5	251.7	180.8	158.6
77.5°	226.3	247.4	182.9	130.1	108.9
80°	165.0	185.0	120.5	78.2	65.6
82.5°	108.9	116.3	63.4	40.2	34.9
85°	57.1	53.9	25.4	23.3	22.2
87.5°	24.3	13.7	12.7	10.6	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)