

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: P289473

Luminaire Tested: **4RSRK-RM-50-HE-L930**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289473  
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: 4RSRK-RM-50-HE-L930  
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

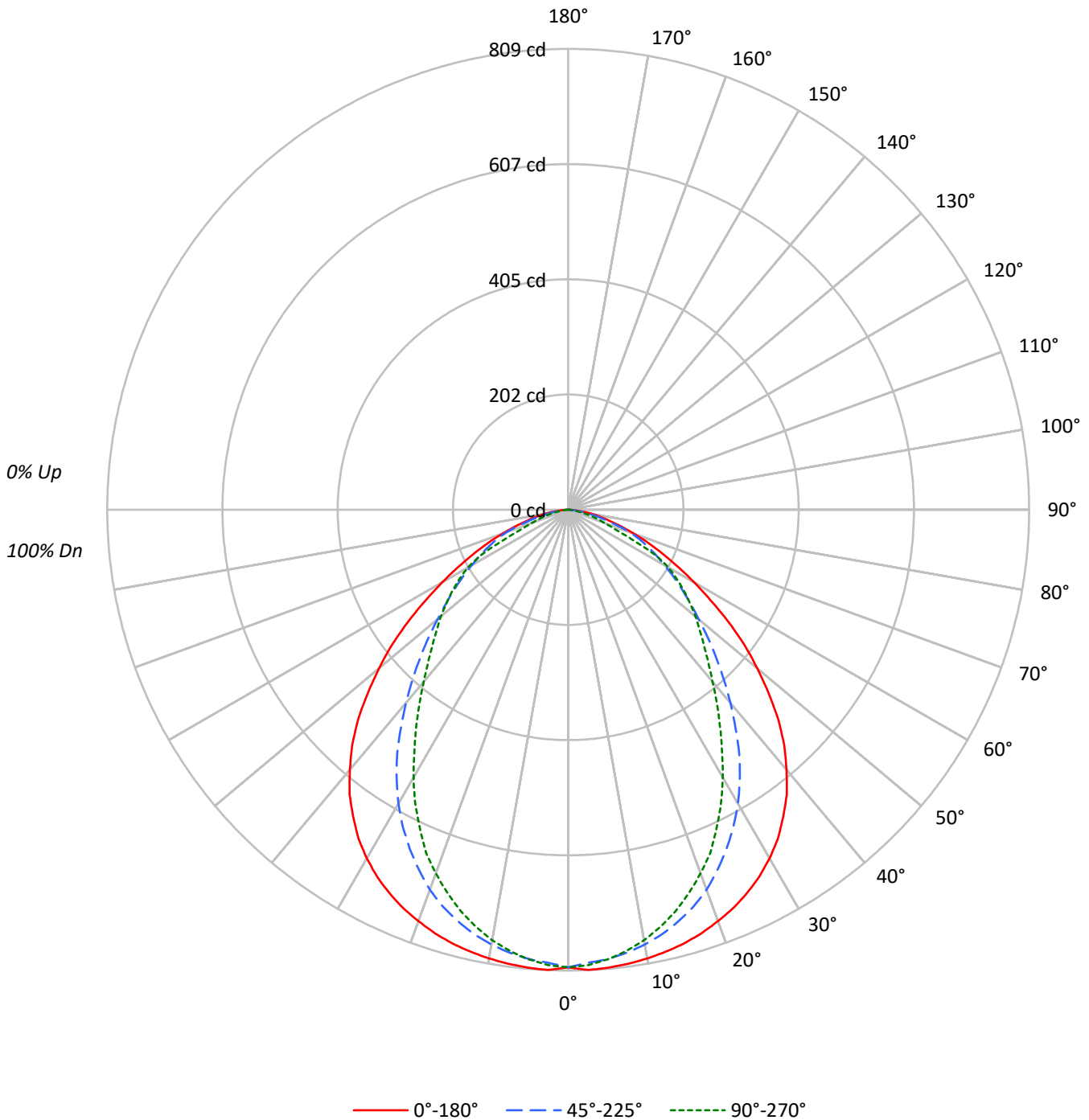
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1705.5 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.3  
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	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29

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

	0°	45°	90°
0°	2162	2162	2162
5°	2180	2139	2141
10°	2186	2118	2097
15°	2195	2084	2032
20°	2201	2033	1946
25°	2205	1952	1830
30°	2196	1851	1686
35°	2161	1720	1526
40°	2094	1556	1385
45°	1984	1396	1281
50°	1813	1251	1221
55°	1610	1143	1162
60°	1373	1053	1096
65°	1160	986	783
70°	958	898	530
75°	776	659	416
80°	645	471	256
85°	445	198	173



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.6	4.4
10°-20°	212.4	12.5
20°-30°	307.7	18.0
30°-40°	337.7	19.8
40°-50°	305.1	17.9
50°-60°	237.9	13.9
60°-70°	150.6	8.8
70°-80°	65.9	3.9
80°-90°	12.7	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°	595.7	34.9
0°-40°	933.4	54.7
0°-60°	1476.3	86.6
0°-90°	1705.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1705.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	803	803	803	803	803	
5°	807	802	792	796	792	77
15°	788	773	748	739	729	223
25°	743	710	657	632	616	342
35°	658	599	524	482	465	411
45°	521	439	367	345	337	400
55°	343	275	244	247	248	307
65°	182	151	155	148	123	182
75°	75	77	63	46	40	82
85°	14	14	6	6	6	19
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	803.4	803.4	803.4	803.4	803.4
2.5°	808.7	804.2	796.2	802.3	800.2
5°	807.1	801.8	791.9	796.2	792.5
7.5°	804.2	797.8	784.7	786.1	781.5
10°	799.9	791.4	775.1	773.5	767.4
12.5°	794.6	783.1	763.1	757.5	749.5
15°	787.9	773.3	747.9	738.9	729.3
17.5°	779.4	760.7	730.6	716.0	705.0
20°	768.5	746.1	710.1	690.9	679.4
22.5°	757.0	729.3	684.5	664.5	651.7
25°	742.6	710.1	657.3	632.5	616.3
27.5°	726.4	688.0	628.0	597.3	581.1
30°	706.6	662.1	595.7	559.0	542.7
32.5°	684.8	632.8	560.6	521.4	502.4
35°	657.8	598.9	523.5	481.7	464.6
37.5°	630.1	562.4	481.9	443.0	428.3
40°	596.0	523.8	443.0	407.3	394.2
42.5°	561.1	480.9	404.1	374.5	363.8
45°	521.4	438.7	366.8	344.9	336.7
47.5°	476.9	396.9	332.4	318.8	312.9
50°	433.1	355.0	298.8	293.5	291.6
52.5°	389.7	314.0	269.7	270.3	269.2
55°	343.1	275.1	243.6	247.1	247.6
57.5°	296.7	238.0	219.1	225.5	226.0
60°	255.1	206.3	195.6	203.4	203.6
62.5°	216.7	176.7	174.3	181.8	173.0
65°	182.1	151.4	154.9	148.2	122.9
67.5°	151.1	130.3	135.9	103.7	87.2
70°	121.8	109.8	114.1	77.3	67.4
72.5°	96.2	92.8	86.4	60.2	52.5
75°	74.6	76.8	63.4	45.6	40.0
77.5°	57.0	62.4	46.1	32.8	27.5
80°	41.6	46.6	30.4	19.7	16.5
82.5°	27.5	29.3	16.0	10.1	8.8
85°	14.4	13.6	6.4	5.9	5.6
87.5°	6.1	3.5	3.2	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)