

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: P289475

Luminaire Tested: **4RSRK-RM-50-HE-L940**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289475  
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-L940  
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 4000K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

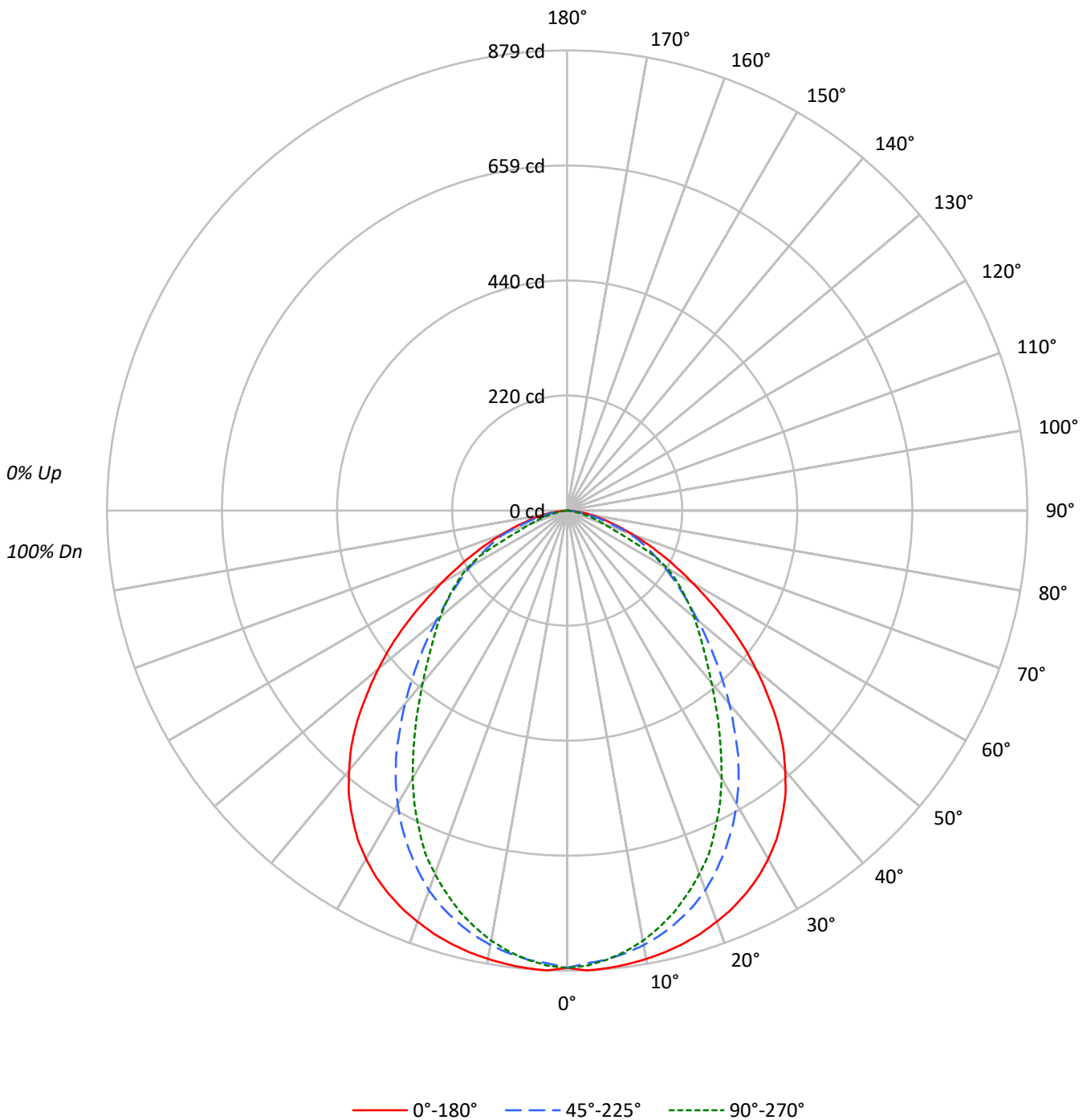
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1854.2 lumens  
Efficiency: N/A  
Efficacy: 129.7 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	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				
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°	2350	2350	2350
5°	2370	2326	2327
10°	2376	2303	2280
15°	2386	2265	2209
20°	2393	2211	2115
25°	2397	2122	1989
30°	2387	2013	1833
35°	2349	1870	1659
40°	2276	1692	1506
45°	2157	1518	1393
50°	1971	1360	1327
55°	1750	1243	1263
60°	1492	1145	1192
65°	1260	1072	851
70°	1042	976	577
75°	843	717	452
80°	700	511	279
85°	482	216	188



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.2	4.4
10°-20°	230.9	12.5
20°-30°	334.5	18.0
30°-40°	367.1	19.8
40°-50°	331.7	17.9
50°-60°	258.6	13.9
60°-70°	163.7	8.8
70°-80°	71.7	3.9
80°-90°	13.8	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°	647.6	34.9
0°-40°	1014.7	54.7
0°-60°	1605.1	86.6
0°-90°	1854.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1854.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	873	873	873	873	873	
5°	878	872	861	866	862	83
15°	857	841	813	803	793	242
25°	807	772	715	688	670	372
35°	715	651	569	524	505	447
45°	567	477	399	375	366	435
55°	373	299	265	269	269	333
65°	198	165	168	161	134	198
75°	81	84	69	50	44	89
85°	16	15	7	6	6	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	873.4	873.4	873.4	873.4	873.4
2.5°	879.2	874.3	865.6	872.3	870.0
5°	877.5	871.7	861.0	865.6	861.5
7.5°	874.3	867.3	853.1	854.6	849.7
10°	869.7	860.4	842.7	841.0	834.3
12.5°	863.9	851.4	829.7	823.6	814.9
15°	856.6	840.7	813.2	803.3	792.9
17.5°	847.3	827.1	794.3	778.4	766.5
20°	835.5	811.1	772.0	751.1	738.7
22.5°	823.0	792.9	744.2	722.4	708.5
25°	807.4	772.0	714.6	687.7	670.0
27.5°	789.7	748.0	682.7	649.4	631.7
30°	768.2	719.8	647.7	607.7	590.0
32.5°	744.5	688.0	609.4	566.8	546.3
35°	715.2	651.2	569.2	523.7	505.1
37.5°	685.1	611.5	523.9	481.6	465.7
40°	648.0	569.4	481.6	442.8	428.6
42.5°	610.0	522.8	439.3	407.2	395.6
45°	566.8	477.0	398.8	375.0	366.0
47.5°	518.4	431.5	361.4	346.6	340.2
50°	470.9	386.0	324.9	319.1	317.0
52.5°	423.7	341.4	293.3	293.8	292.7
55°	373.0	299.1	264.9	268.6	269.2
57.5°	322.5	258.8	238.2	245.2	245.7
60°	277.3	224.3	212.7	221.1	221.4
62.5°	235.6	192.1	189.5	197.6	188.1
65°	197.9	164.6	168.4	161.1	133.6
67.5°	164.3	141.7	147.8	112.7	94.8
70°	132.4	119.4	124.0	84.0	73.3
72.5°	104.6	100.8	93.9	65.5	57.1
75°	81.1	83.5	69.0	49.6	43.5
77.5°	62.0	67.8	50.1	35.6	29.8
80°	45.2	50.7	33.0	21.4	18.0
82.5°	29.8	31.9	17.4	11.0	9.6
85°	15.6	14.8	7.0	6.4	6.1
87.5°	6.7	3.8	3.5	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)