

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: **4RSRK-65-HE-L935**

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: 4RSRK-65-HE-L935  
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

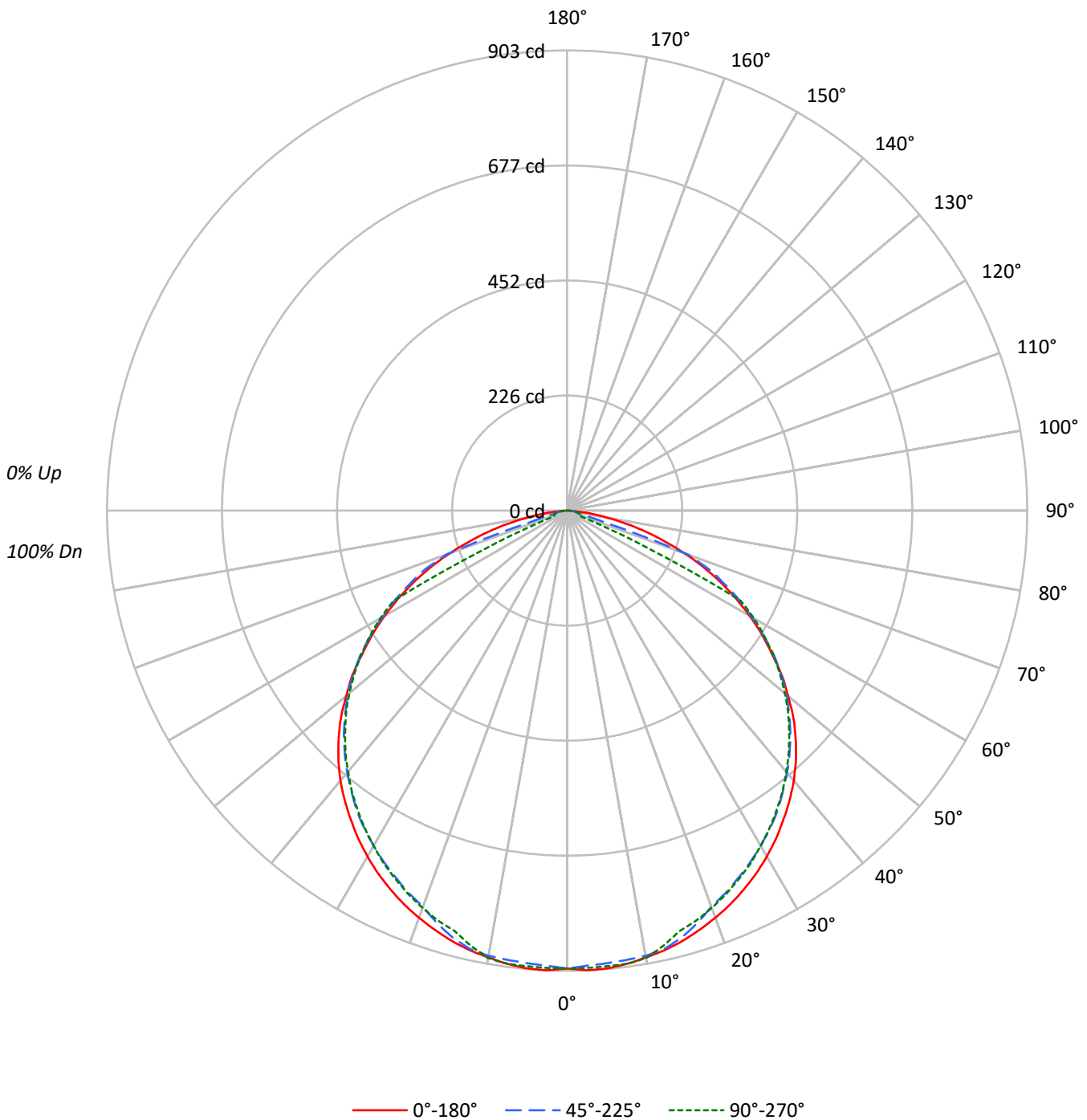
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2473.4 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 4' 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°	2418	2418	2418
5°	2436	2408	2424
10°	2433	2424	2436
15°	2436	2417	2378
20°	2435	2369	2376
25°	2436	2361	2368
30°	2435	2360	2360
35°	2431	2364	2356
40°	2431	2358	2350
45°	2415	2358	2345
50°	2368	2354	2335
55°	2304	2326	2315
60°	2229	2254	2279
65°	2111	2170	1147
70°	1932	1977	216
75°	1658	238	262
80°	1244	302	302
85°	639	318	284



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.4	3.5
10°-20°	244.5	9.9
20°-30°	371.7	15.0
30°-40°	452.8	18.3
40°-50°	479.1	19.4
50°-60°	439.5	17.8
60°-70°	296.4	12.0
70°-80°	89.6	3.6
80°-90°	14.3	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°	701.6	28.4
0°-40°	1154.4	46.7
0°-60°	2073.1	83.8
0°-90°	2473.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2473.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	902	895	892	900	897	86
15°	874	870	868	861	854	247
25°	820	819	795	803	798	378
35°	740	724	720	722	717	463
45°	634	620	620	621	616	489
55°	491	484	496	496	493	440
65°	332	327	341	345	180	327
75°	160	161	23	25	25	169
85°	21	10	10	9	9	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	898.5	898.5	898.5	898.5	898.5
2.5°	903.1	896.2	893.9	899.6	898.5
5°	901.9	895.0	891.6	899.6	897.3
7.5°	897.3	890.4	889.3	898.5	897.3
10°	890.4	885.8	887.0	895.0	891.6
12.5°	883.5	879.0	881.2	879.0	874.4
15°	874.4	869.8	867.5	860.6	853.7
17.5°	862.9	860.6	849.1	846.8	843.4
20°	850.3	850.3	827.3	834.2	829.6
22.5°	836.5	836.5	812.4	819.3	814.7
25°	820.4	819.3	795.2	803.2	797.5
27.5°	803.2	797.5	778.0	784.9	780.3
30°	783.7	773.4	759.6	764.2	759.6
32.5°	763.0	748.1	740.1	743.6	739.0
35°	740.1	724.1	719.5	721.7	717.1
37.5°	717.1	700.0	695.4	698.8	694.2
40°	691.9	675.8	671.3	673.6	669.0
42.5°	664.4	650.6	646.0	647.2	643.7
45°	634.5	619.6	619.6	620.8	616.2
47.5°	602.4	589.8	591.0	592.1	588.6
50°	565.7	556.5	562.3	563.4	557.7
52.5°	531.3	522.1	529.0	531.3	526.7
55°	491.1	484.2	495.7	495.7	493.4
57.5°	453.3	446.3	457.8	462.4	459.0
60°	414.2	407.4	418.8	426.9	423.4
62.5°	372.9	367.2	381.0	391.3	384.4
65°	331.6	327.0	340.8	345.4	180.1
67.5°	289.2	285.7	301.8	109.0	28.7
70°	245.6	242.1	251.3	27.5	27.5
72.5°	200.8	202.0	80.3	26.4	26.4
75°	159.5	160.6	22.9	25.2	25.2
77.5°	118.2	120.5	21.8	22.9	22.9
80°	80.3	58.5	19.5	19.5	19.5
82.5°	48.2	13.8	14.9	14.9	13.8
85°	20.7	10.3	10.3	9.2	9.2
87.5°	6.9	4.6	4.6	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)