

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: P289506

Luminaire Tested: **4RSRK-RM-200-HE-L935**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289506  
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-200-HE-L935  
Description: 4ft RSRK, 2000 LUMEN PER FOOT 90CRI 3500K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

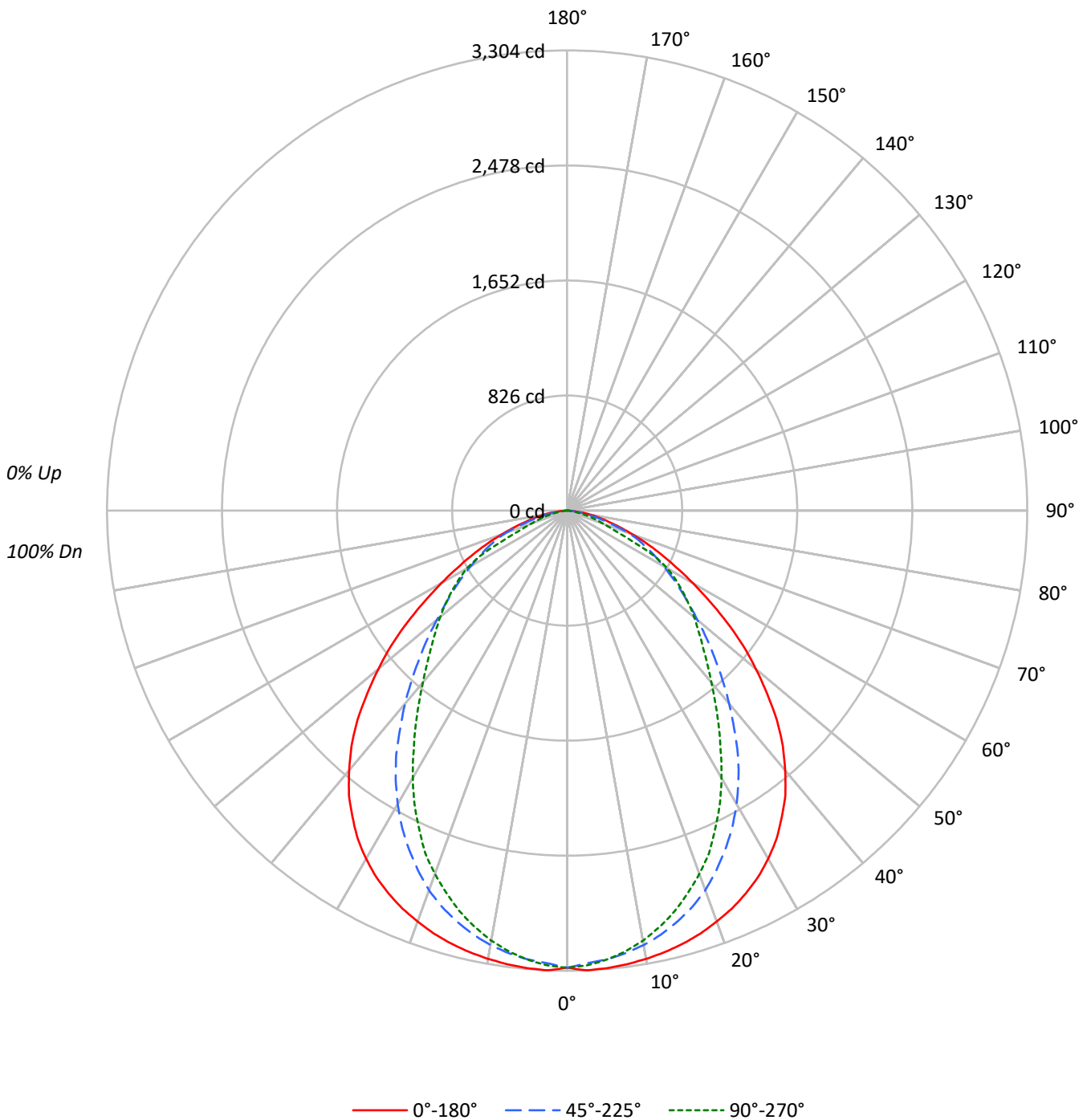
Lumens per Lamp: N/A  
Luminaire Lumens: 6967.9 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 61.2  
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°	8832	8832	8832
5°	8907	8740	8745
10°	8930	8653	8567
15°	8968	8513	8301
20°	8991	8308	7949
25°	9008	7973	7475
30°	8970	7563	6889
35°	8829	7026	6235
40°	8554	6358	5658
45°	8106	5702	5234
50°	7408	5110	4987
55°	6575	4670	4746
60°	5609	4302	4478
65°	4736	4029	3196
70°	3916	3667	2168
75°	3170	2695	1698
80°	2633	1923	1046
85°	1815	806	707



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.8	4.4
10°-20°	867.8	12.5
20°-30°	1256.9	18.0
30°-40°	1379.6	19.8
40°-50°	1246.5	17.9
50°-60°	971.9	13.9
60°-70°	615.3	8.8
70°-80°	269.4	3.9
80°-90°	51.7	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°	2433.6	34.9
0°-40°	3813.2	54.7
0°-60°	6031.6	86.6
0°-90°	6967.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6967.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3282	3282	3282	3282	3282	
5°	3297	3276	3235	3253	3238	314
15°	3219	3159	3056	3019	2980	909
25°	3034	2901	2685	2584	2518	1398
35°	2688	2447	2139	1968	1898	1678
45°	2130	1792	1498	1409	1375	1633
55°	1402	1124	995	1010	1012	1252
65°	744	618	633	606	502	745
75°	305	314	259	186	163	333
85°	59	56	26	24	23	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3282.2	3282.2	3282.2	3282.2	3282.2
2.5°	3304.0	3285.5	3252.8	3277.8	3269.1
5°	3297.4	3275.7	3235.4	3252.8	3237.5
7.5°	3285.5	3259.3	3206.0	3211.4	3192.9
10°	3268.0	3233.2	3166.8	3160.2	3135.2
12.5°	3246.3	3199.4	3117.8	3094.9	3062.2
15°	3219.0	3159.1	3055.7	3018.7	2979.5
17.5°	3184.2	3108.0	2984.9	2925.0	2880.4
20°	3139.5	3048.1	2901.1	2822.6	2775.8
22.5°	3092.7	2979.5	2796.5	2714.8	2662.6
25°	3033.9	2901.1	2685.4	2584.2	2517.7
27.5°	2967.5	2810.7	2565.6	2440.4	2374.0
30°	2886.9	2705.0	2433.9	2283.6	2217.2
32.5°	2797.6	2585.2	2290.1	2130.1	2052.7
35°	2687.6	2446.9	2138.8	1967.8	1898.1
37.5°	2574.4	2297.8	1968.9	1809.9	1750.0
40°	2435.0	2139.9	1809.9	1664.0	1610.6
42.5°	2292.3	1964.5	1650.9	1530.0	1486.5
45°	2130.1	1792.5	1498.4	1409.1	1375.4
47.5°	1948.2	1621.5	1358.0	1302.4	1278.5
50°	1769.6	1450.5	1220.7	1199.0	1191.3
52.5°	1592.1	1282.8	1102.1	1104.2	1099.9
55°	1401.5	1123.8	995.3	1009.5	1011.7
57.5°	1212.0	972.5	895.1	921.3	923.5
60°	1042.2	842.9	799.3	830.9	832.0
62.5°	885.3	722.0	712.2	742.7	706.7
65°	743.8	618.5	632.7	605.5	502.0
67.5°	617.5	532.5	555.4	423.6	356.1
70°	497.7	448.7	466.1	315.8	275.5
72.5°	393.1	379.0	352.8	246.1	214.5
75°	304.9	313.6	259.2	186.2	163.3
77.5°	233.0	254.8	188.4	133.9	112.2
80°	169.9	190.6	124.1	80.6	67.5
82.5°	112.2	119.8	65.3	41.4	35.9
85°	58.8	55.5	26.1	24.0	22.9
87.5°	25.0	14.2	13.1	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)