

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-200-HE-L950**

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-200-HE-L950  
Description: 4ft RSRK, 2000 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

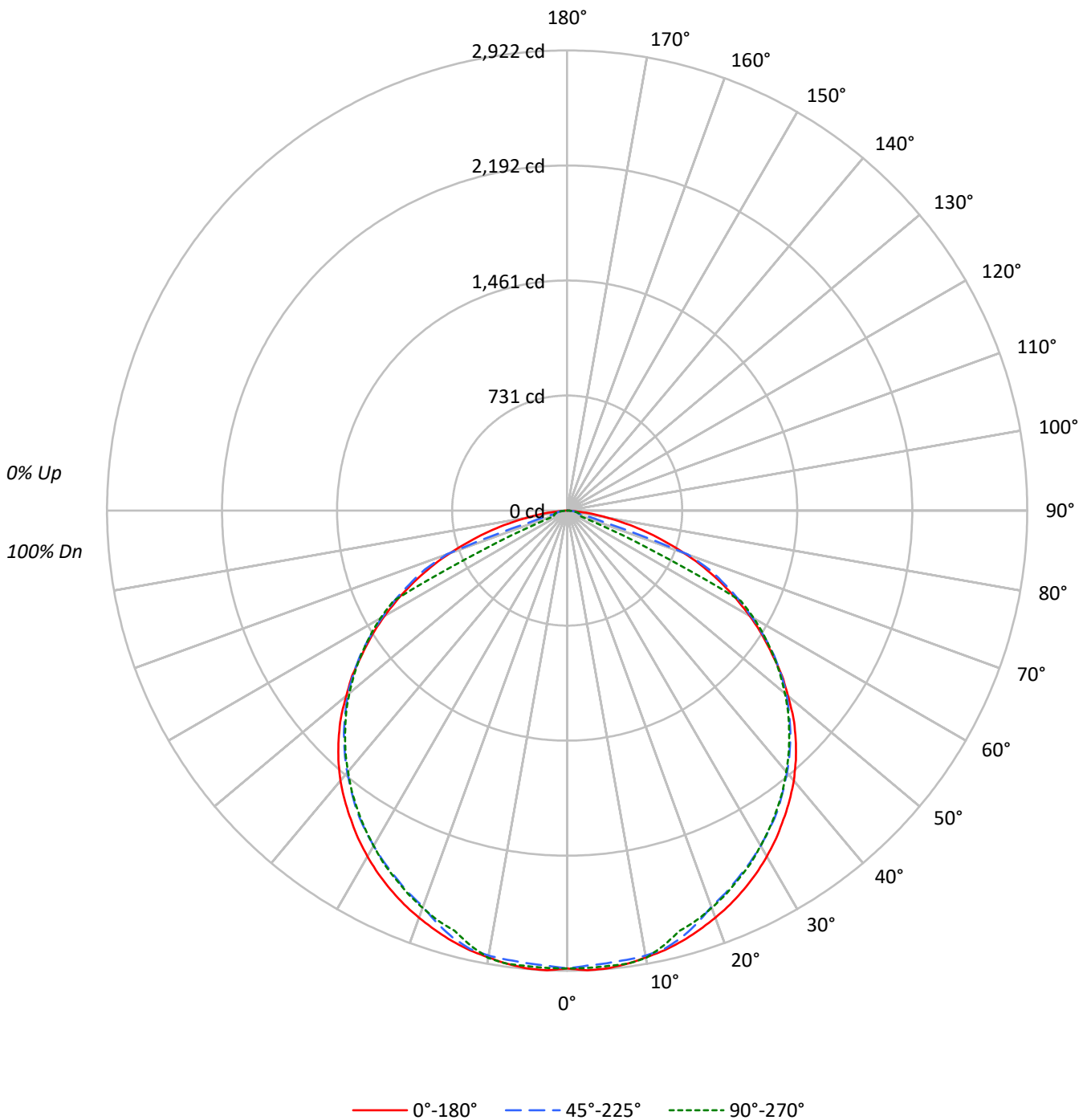
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8003.4 lumens  
Efficiency: N/A  
Efficacy: 130.8 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): 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	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°	7823	7823	7823
5°	7883	7793	7843
10°	7873	7842	7883
15°	7882	7820	7696
20°	7879	7666	7688
25°	7883	7640	7662
30°	7880	7637	7637
35°	7867	7648	7623
40°	7865	7630	7604
45°	7814	7630	7588
50°	7663	7616	7554
55°	7455	7525	7491
60°	7213	7294	7373
65°	6832	7021	3712
70°	6252	6398	701
75°	5366	773	849
80°	4028	978	978
85°	2062	1031	917



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	276.2	3.5
10°-20°	791.2	9.9
20°-30°	1202.8	15.0
30°-40°	1465.2	18.3
40°-50°	1550.4	19.4
50°-60°	1422.1	17.8
60°-70°	959.2	12.0
70°-80°	289.9	3.6
80°-90°	46.4	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°	2270.3	28.4
0°-40°	3735.4	46.7
0°-60°	6707.9	83.8
0°-90°	8003.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8003.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2907	2907	2907	2907	2907	
5°	2918	2896	2885	2911	2904	277
15°	2829	2814	2807	2785	2762	799
25°	2655	2651	2573	2599	2580	1224
35°	2395	2343	2328	2335	2320	1500
45°	2053	2005	2005	2009	1994	1581
55°	1589	1567	1604	1604	1597	1422
65°	1073	1058	1103	1118	583	1059
75°	516	520	74	82	82	547
85°	67	33	33	30	30	102
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2907.3	2907.3	2907.3	2907.3	2907.3
2.5°	2922.1	2899.7	2892.4	2910.9	2907.3
5°	2918.3	2896.1	2884.9	2910.9	2903.5
7.5°	2903.5	2881.2	2877.5	2907.3	2903.5
10°	2881.2	2866.4	2870.0	2896.1	2884.9
12.5°	2858.9	2844.1	2851.5	2844.1	2829.2
15°	2829.2	2814.4	2807.0	2784.7	2762.4
17.5°	2792.1	2784.7	2747.6	2740.1	2729.0
20°	2751.2	2751.2	2677.0	2699.3	2684.5
22.5°	2706.7	2706.7	2628.7	2651.0	2636.2
25°	2654.8	2651.0	2573.0	2599.0	2580.5
27.5°	2599.0	2580.5	2517.4	2539.6	2524.8
30°	2536.0	2502.5	2457.9	2472.8	2457.9
32.5°	2469.0	2420.8	2394.8	2406.0	2391.1
35°	2394.8	2342.9	2328.0	2335.4	2320.5
37.5°	2320.5	2264.9	2250.0	2261.1	2246.3
40°	2238.9	2186.9	2172.0	2179.5	2164.7
42.5°	2149.8	2105.3	2090.4	2094.1	2082.9
45°	2053.2	2005.0	2005.0	2008.6	1993.8
47.5°	1949.2	1908.4	1912.2	1915.9	1904.7
50°	1830.4	1800.7	1819.3	1823.1	1804.5
52.5°	1719.1	1689.4	1711.6	1719.1	1704.3
55°	1589.1	1566.8	1604.0	1604.0	1596.6
57.5°	1466.6	1444.3	1481.5	1496.3	1485.2
60°	1340.3	1318.1	1355.2	1381.2	1370.0
62.5°	1206.7	1188.1	1232.7	1266.1	1243.9
65°	1073.0	1058.1	1102.7	1117.5	582.9
67.5°	935.7	924.5	976.5	352.8	92.8
70°	794.6	783.5	813.2	89.1	89.1
72.5°	649.8	653.5	259.9	85.4	85.4
75°	516.1	519.8	74.3	81.7	81.7
77.5°	382.5	389.8	70.6	74.3	74.3
80°	259.9	189.4	63.1	63.1	63.1
82.5°	155.9	44.6	48.2	48.2	44.6
85°	66.8	33.4	33.4	29.7	29.7
87.5°	22.3	14.9	14.9	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)