

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: P289587

Luminaire Tested: **8RSRK-RM-200-HE-L950**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289587  
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: 8RSRK-RM-200-HE-L950  
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

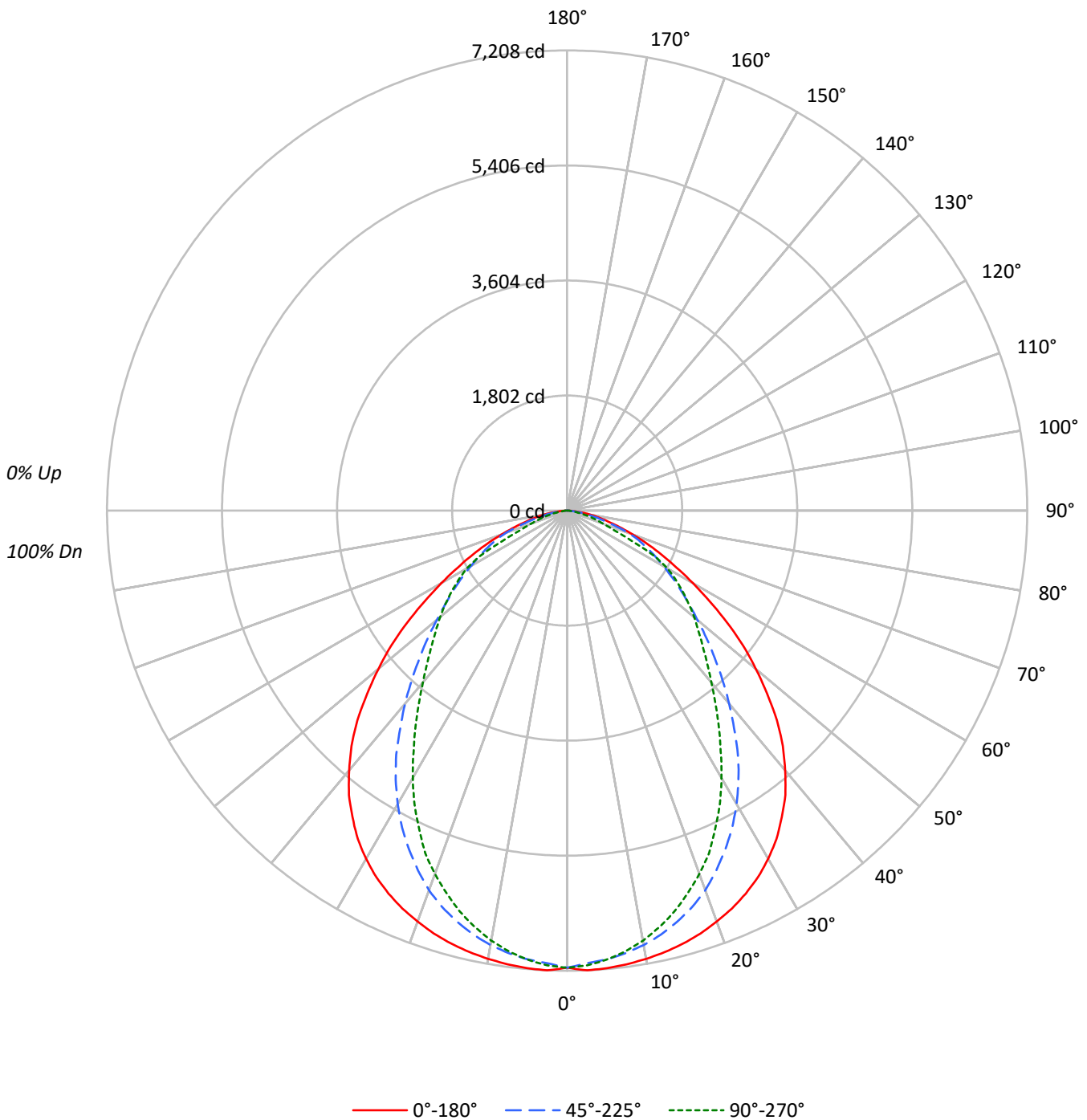
Lumens per Lamp: N/A  
Luminaire Lumens: 15201.2 lumens  
Efficiency: N/A  
Efficacy: 248.4 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')  
CIE Type: Direct

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°	9634	9634	9634
5°	9716	9533	9540
10°	9741	9439	9345
15°	9782	9286	9054
20°	9807	9062	8671
25°	9826	8698	8154
30°	9785	8250	7515
35°	9631	7664	6802
40°	9330	6935	6172
45°	8842	6220	5710
50°	8081	5575	5440
55°	7172	5094	5177
60°	6118	4693	4884
65°	5166	4394	3487
70°	4271	4000	2365
75°	3458	2939	1853
80°	2872	2098	1141
85°	1981	880	770



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	673.7	4.4
10°-20°	1893.3	12.5
20°-30°	2742.1	18.0
30°-40°	3009.7	19.8
40°-50°	2719.3	17.9
50°-60°	2120.3	13.9
60°-70°	1342.2	8.8
70°-80°	587.7	3.9
80°-90°	112.7	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°	5309.2	34.9
0°-40°	8318.9	54.7
0°-60°	13158.5	86.6
0°-90°	15201.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15201.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7160	7160	7160	7160	7160	
5°	7194	7146	7058	7096	7063	684
15°	7023	6892	6666	6586	6500	1983
25°	6619	6329	5859	5638	5493	3049
35°	5863	5338	4666	4293	4141	3661
45°	4647	3910	3269	3074	3001	3563
55°	3058	2452	2171	2202	2207	2732
65°	1623	1349	1380	1321	1095	1626
75°	665	684	565	406	356	727
85°	128	121	57	52	50	167
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7160.5	7160.5	7160.5	7160.5	7160.5
2.5°	7208.0	7167.6	7096.3	7151.0	7132.0
5°	7193.7	7146.2	7058.3	7096.3	7063.1
7.5°	7167.6	7110.6	6994.2	7006.1	6965.7
10°	7129.6	7053.6	6908.7	6894.4	6839.8
12.5°	7082.1	6979.9	6801.8	6751.9	6680.6
15°	7022.7	6892.0	6666.3	6585.6	6500.0
17.5°	6946.7	6780.4	6511.9	6381.2	6283.8
20°	6849.3	6649.7	6329.0	6157.9	6055.8
22.5°	6747.1	6500.0	6100.9	5922.7	5808.7
25°	6618.8	6329.0	5858.6	5637.6	5492.7
27.5°	6473.9	6131.8	5597.2	5324.0	5179.1
30°	6298.1	5901.3	5309.8	4981.9	4837.0
32.5°	6103.3	5640.0	4996.2	4647.0	4478.3
35°	5863.3	5338.3	4666.0	4293.0	4140.9
37.5°	5616.3	5012.8	4295.3	3948.5	3817.8
40°	5312.2	4668.3	3948.5	3630.1	3513.7
42.5°	5000.9	4285.8	3601.6	3337.9	3242.9
45°	4647.0	3910.5	3269.0	3074.2	3000.6
47.5°	4250.2	3537.5	2962.6	2841.4	2789.1
50°	3860.6	3164.5	2663.2	2615.7	2599.1
52.5°	3473.3	2798.6	2404.3	2409.0	2399.5
55°	3057.6	2451.8	2171.4	2202.3	2207.1
57.5°	2644.2	2121.5	1952.9	2009.9	2014.6
60°	2273.6	1838.8	1743.8	1812.7	1815.1
62.5°	1931.5	1575.1	1553.7	1620.3	1541.9
65°	1622.6	1349.4	1380.3	1320.9	1095.2
67.5°	1347.0	1161.7	1211.6	924.2	776.9
70°	1085.7	978.8	1016.8	689.0	601.1
72.5°	857.6	826.8	769.7	536.9	468.0
75°	665.2	684.2	565.4	406.3	356.4
77.5°	508.4	555.9	411.0	292.2	244.7
80°	370.6	415.8	270.8	175.8	147.3
82.5°	244.7	261.3	142.5	90.3	78.4
85°	128.3	121.2	57.0	52.3	49.9
87.5°	54.6	30.9	28.5	23.8	23.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)