

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: **8RSRK-200-HE-L940**

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: 8RSRK-200-HE-L940  
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

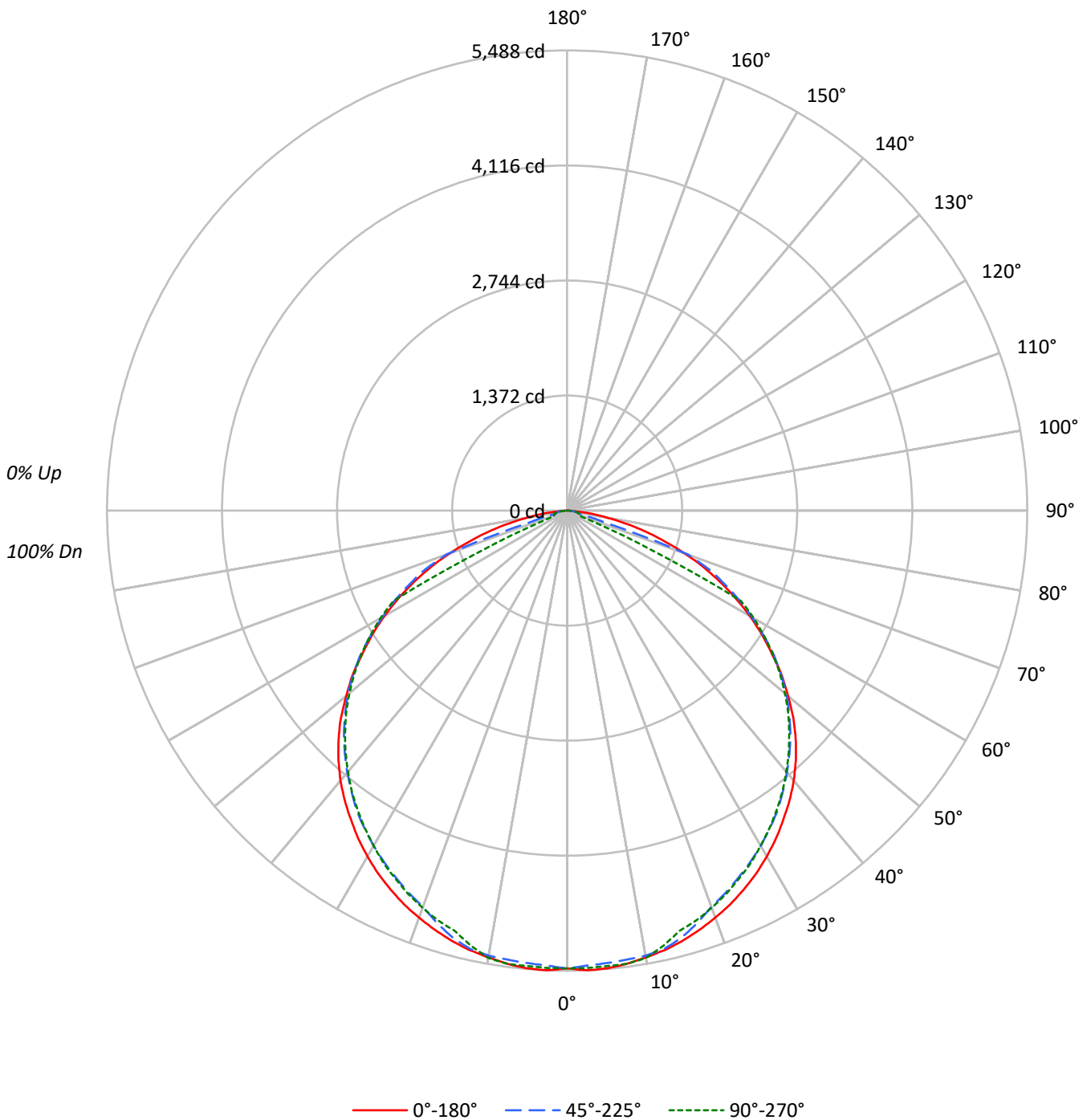
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15029.8 lumens  
Efficiency: N/A  
Efficacy: 245.6 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
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	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°	7346	7346	7346
5°	7402	7317	7364
10°	7392	7364	7402
15°	7401	7343	7226
20°	7398	7198	7218
25°	7401	7173	7194
30°	7399	7171	7171
35°	7387	7181	7158
40°	7385	7164	7140
45°	7337	7164	7124
50°	7195	7151	7093
55°	7000	7066	7033
60°	6773	6848	6923
65°	6415	6593	3485
70°	5870	6008	658
75°	5039	725	797
80°	3782	918	918
85°	1937	968	861



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	518.7	3.5
10°-20°	1485.9	9.9
20°-30°	2258.8	15.0
30°-40°	2751.5	18.3
40°-50°	2911.5	19.4
50°-60°	2670.6	17.8
60°-70°	1801.3	12.0
70°-80°	544.4	3.6
80°-90°	87.1	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°	4263.4	28.4
0°-40°	7014.8	46.7
0°-60°	12596.9	83.8
0°-90°	15029.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15029.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5460	5460	5460	5460	5460	
5°	5480	5439	5418	5466	5452	521
15°	5313	5285	5271	5229	5188	1500
25°	4985	4978	4832	4881	4846	2299
35°	4497	4400	4372	4386	4358	2816
45°	3856	3765	3765	3772	3744	2969
55°	2984	2942	3012	3012	2998	2671
65°	2015	1987	2071	2099	1095	1989
75°	969	976	140	153	153	1027
85°	126	63	63	56	56	191
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5459.6	5459.6	5459.6	5459.6	5459.6
2.5°	5487.5	5445.5	5431.7	5466.5	5459.6
5°	5480.4	5438.6	5417.6	5466.5	5452.5
7.5°	5452.5	5410.7	5403.8	5459.6	5452.5
10°	5410.7	5382.8	5389.7	5438.6	5417.6
12.5°	5368.8	5341.0	5354.9	5341.0	5313.1
15°	5313.1	5285.2	5271.2	5229.4	5187.6
17.5°	5243.3	5229.4	5159.7	5145.7	5124.9
20°	5166.6	5166.6	5027.1	5069.1	5041.2
22.5°	5082.9	5082.9	4936.5	4978.4	4950.5
25°	4985.4	4978.4	4831.9	4880.8	4846.0
27.5°	4880.8	4846.0	4727.4	4769.2	4741.3
30°	4762.3	4699.5	4615.8	4643.7	4615.8
32.5°	4636.6	4546.1	4497.2	4518.2	4490.3
35°	4497.2	4399.7	4371.9	4385.6	4357.7
37.5°	4357.7	4253.2	4225.3	4246.2	4218.3
40°	4204.5	4106.7	4078.8	4093.0	4065.1
42.5°	4037.2	3953.5	3925.6	3932.5	3911.5
45°	3855.7	3765.2	3765.2	3772.1	3744.2
47.5°	3660.5	3583.9	3590.9	3597.8	3576.8
50°	3437.4	3381.6	3416.5	3423.6	3388.6
52.5°	3228.4	3172.6	3214.3	3228.4	3200.5
55°	2984.2	2942.4	3012.1	3012.1	2998.2
57.5°	2754.2	2712.2	2782.1	2810.0	2789.0
60°	2517.0	2475.3	2544.9	2593.8	2572.8
62.5°	2266.0	2231.2	2314.9	2377.5	2335.9
65°	2015.0	1987.1	2070.8	2098.6	1094.6
67.5°	1757.1	1736.1	1833.9	662.5	174.2
70°	1492.1	1471.3	1527.1	167.3	167.3
72.5°	1220.3	1227.2	488.1	160.5	160.5
75°	969.3	976.2	139.5	153.4	153.4
77.5°	718.3	732.0	132.6	139.5	139.5
80°	488.1	355.7	118.5	118.5	118.5
82.5°	292.8	83.7	90.6	90.6	83.7
85°	125.5	62.7	62.7	55.8	55.8
87.5°	41.8	27.9	27.9	21.0	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)