

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: **6RSRK-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: 6RSRK-200-HE-L940  
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

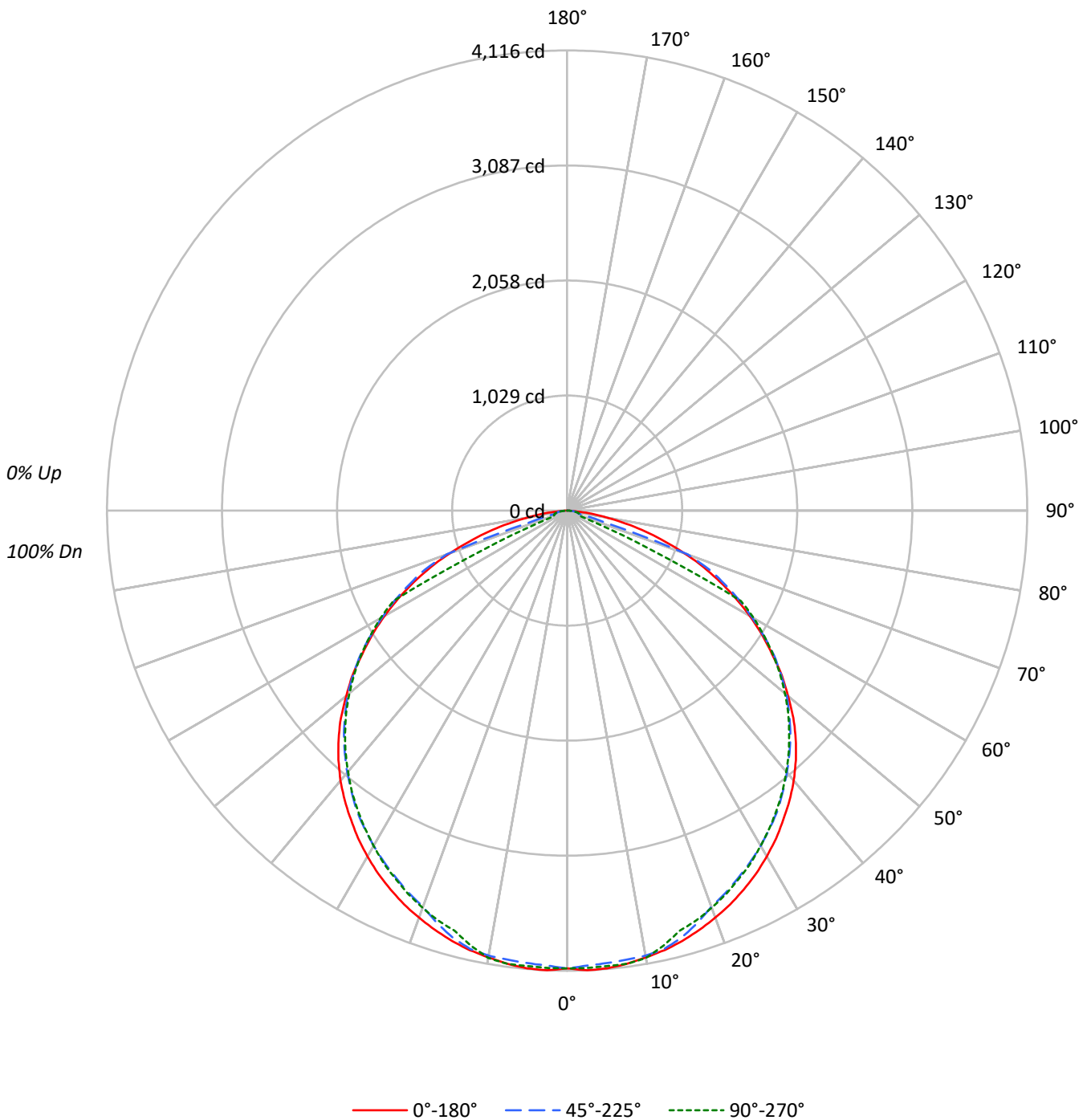
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11272.3 lumens  
Efficiency: N/A  
Efficacy: 184.2 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 6' 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	7152	7093
55°	7000	7066	7033
60°	6773	6848	6923
65°	6415	6593	3485
70°	5870	6007	658
75°	5038	725	797
80°	3782	917	917
85°	1937	967	860



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	389.0	3.5
10°-20°	1114.4	9.9
20°-30°	1694.1	15.0
30°-40°	2063.6	18.3
40°-50°	2183.6	19.4
50°-60°	2002.9	17.8
60°-70°	1351.0	12.0
70°-80°	408.3	3.6
80°-90°	65.3	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°	3197.5	28.4
0°-40°	5261.1	46.7
0°-60°	9447.7	83.8
0°-90°	11272.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11272.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4095	4095	4095	4095	4095	
5°	4110	4079	4063	4100	4089	391
15°	3985	3964	3953	3922	3891	1125
25°	3739	3734	3624	3661	3634	1724
35°	3373	3300	3279	3289	3268	2112
45°	2892	2824	2824	2829	2808	2226
55°	2238	2207	2259	2259	2249	2003
65°	1511	1490	1553	1574	821	1492
75°	727	732	105	115	115	770
85°	94	47	47	42	42	144
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4094.7	4094.7	4094.7	4094.7	4094.7
2.5°	4115.6	4084.1	4073.8	4099.8	4094.7
5°	4110.3	4078.9	4063.2	4099.8	4089.4
7.5°	4089.4	4058.0	4052.8	4094.7	4089.4
10°	4058.0	4037.1	4042.3	4078.9	4063.2
12.5°	4026.6	4005.7	4016.2	4005.7	3984.8
15°	3984.8	3963.9	3953.4	3922.0	3890.7
17.5°	3932.5	3922.0	3869.8	3859.3	3843.7
20°	3874.9	3874.9	3770.3	3801.8	3780.9
22.5°	3812.2	3812.2	3702.4	3733.8	3712.9
25°	3739.1	3733.8	3623.9	3660.6	3634.5
27.5°	3660.6	3634.5	3545.5	3576.9	3556.0
30°	3571.7	3524.6	3461.9	3482.8	3461.9
32.5°	3477.5	3409.6	3372.9	3388.6	3367.7
35°	3372.9	3299.8	3278.9	3289.2	3268.3
37.5°	3268.3	3189.9	3169.0	3184.6	3163.7
40°	3153.4	3080.1	3059.1	3069.7	3048.8
42.5°	3027.9	2965.1	2944.2	2949.4	2933.6
45°	2891.8	2823.9	2823.9	2829.0	2808.1
47.5°	2745.4	2687.9	2693.2	2698.4	2682.6
50°	2578.0	2536.2	2562.4	2567.7	2541.5
52.5°	2421.3	2379.4	2410.7	2421.3	2400.4
55°	2238.2	2206.8	2259.1	2259.1	2248.6
57.5°	2065.7	2034.2	2086.6	2107.5	2091.8
60°	1887.7	1856.5	1908.7	1945.3	1929.6
62.5°	1699.5	1673.4	1736.2	1783.2	1751.9
65°	1511.2	1490.3	1553.1	1574.0	821.0
67.5°	1317.8	1302.1	1375.4	496.9	130.7
70°	1119.1	1103.5	1145.3	125.5	125.5
72.5°	915.2	920.4	366.1	120.3	120.3
75°	726.9	732.1	104.6	115.0	115.0
77.5°	538.7	549.0	99.4	104.6	104.6
80°	366.1	266.8	88.8	88.8	88.8
82.5°	219.6	62.8	67.9	67.9	62.8
85°	94.1	47.0	47.0	41.8	41.8
87.5°	31.4	20.9	20.9	15.7	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)