

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-150-HE-L940**

Issue Date: 3/3/2020



**Test Information**

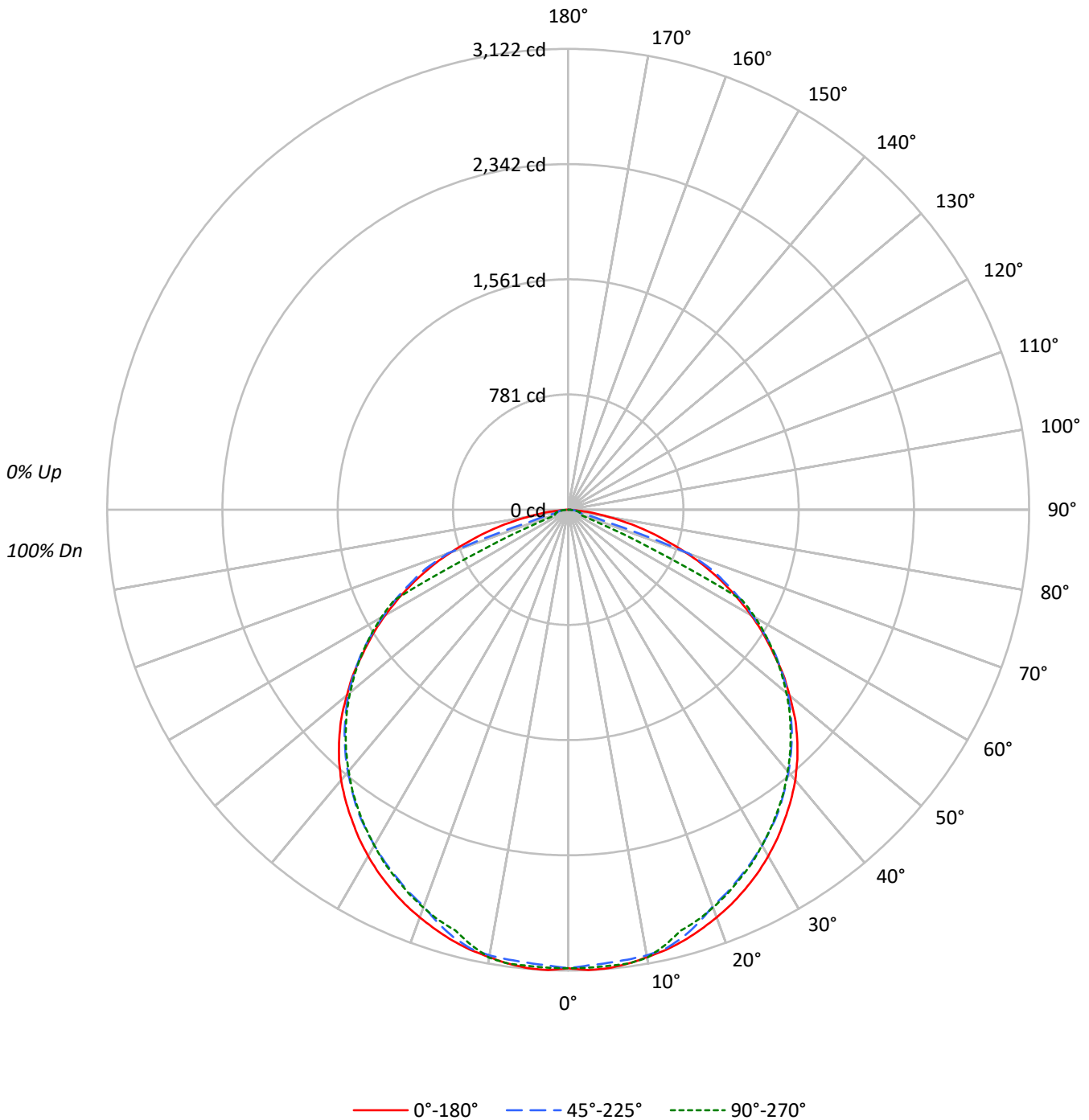
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-150-HE-L940  
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8550.7 lumens  
Efficiency: N/A  
Efficacy: 193.5 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): 44.2  
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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CATALOG NUMBER: 6RSRK-150-HE-L940

### 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°	5572	5572	5572
5°	5615	5551	5586
10°	5607	5586	5615
15°	5614	5570	5481
20°	5612	5460	5475
25°	5614	5441	5457
30°	5613	5440	5440
35°	5603	5447	5430
40°	5602	5434	5416
45°	5565	5435	5404
50°	5458	5425	5381
55°	5310	5360	5335
60°	5138	5195	5252
65°	4866	5001	2643
70°	4453	4557	499
75°	3822	550	605
80°	2869	696	696
85°	1470	735	653



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.1	3.5
10°-20°	845.3	9.9
20°-30°	1285.1	15.0
30°-40°	1565.4	18.3
40°-50°	1656.4	19.4
50°-60°	1519.3	17.8
60°-70°	1024.8	12.0
70°-80°	309.7	3.6
80°-90°	49.5	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°	2425.5	28.4
0°-40°	3990.9	46.7
0°-60°	7166.6	83.8
0°-90°	8550.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8550.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3106	3106	3106	3106	3106	
5°	3118	3094	3082	3110	3102	296
15°	3023	3007	2999	2975	2951	853
25°	2836	2832	2749	2777	2757	1308
35°	2558	2503	2487	2495	2479	1602
45°	2194	2142	2142	2146	2130	1689
55°	1698	1674	1714	1714	1706	1520
65°	1146	1130	1178	1194	623	1132
75°	551	555	79	87	87	584
85°	71	36	36	32	32	109
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3106.1	3106.1	3106.1	3106.1	3106.1
2.5°	3121.9	3098.0	3090.2	3110.0	3106.1
5°	3117.9	3094.1	3082.2	3110.0	3102.0
7.5°	3102.0	3078.2	3074.3	3106.1	3102.0
10°	3078.2	3062.4	3066.3	3094.1	3082.2
12.5°	3054.4	3038.6	3046.5	3038.6	3022.7
15°	3022.7	3006.8	2998.9	2975.1	2951.3
17.5°	2983.0	2975.1	2935.4	2927.5	2915.6
20°	2939.4	2939.4	2860.0	2883.9	2868.0
22.5°	2891.8	2891.8	2808.5	2832.3	2816.4
25°	2836.3	2832.3	2749.0	2776.8	2757.0
27.5°	2776.8	2757.0	2689.5	2713.3	2697.4
30°	2709.4	2673.6	2626.0	2641.9	2626.0
32.5°	2637.9	2586.4	2558.5	2570.5	2554.6
35°	2558.5	2503.1	2487.2	2495.1	2479.2
37.5°	2479.2	2419.8	2403.9	2415.7	2399.9
40°	2392.0	2336.4	2320.5	2328.6	2312.7
42.5°	2296.8	2249.2	2233.4	2237.3	2225.3
45°	2193.6	2142.1	2142.1	2146.0	2130.1
47.5°	2082.5	2038.9	2043.0	2046.9	2034.9
50°	1955.6	1923.9	1943.7	1947.7	1927.9
52.5°	1836.7	1804.9	1828.7	1836.7	1820.8
55°	1697.8	1674.0	1713.7	1713.7	1705.7
57.5°	1566.9	1543.0	1582.8	1598.7	1586.7
60°	1432.0	1408.3	1447.8	1475.7	1463.7
62.5°	1289.2	1269.4	1317.0	1352.6	1328.9
65°	1146.4	1130.5	1178.1	1194.0	622.7
67.5°	999.6	987.7	1043.3	376.9	99.1
70°	848.9	837.0	868.8	95.2	95.2
72.5°	694.2	698.2	277.7	91.3	91.3
75°	551.4	555.4	79.3	87.3	87.3
77.5°	408.6	416.5	75.4	79.3	79.3
80°	277.7	202.4	67.4	67.4	67.4
82.5°	166.6	47.6	51.5	51.5	47.6
85°	71.4	35.7	35.7	31.7	31.7
87.5°	23.8	15.9	15.9	11.9	11.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)