

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-TB-150-HE-L940**

Issue Date: 3/3/2020



**Test Information**

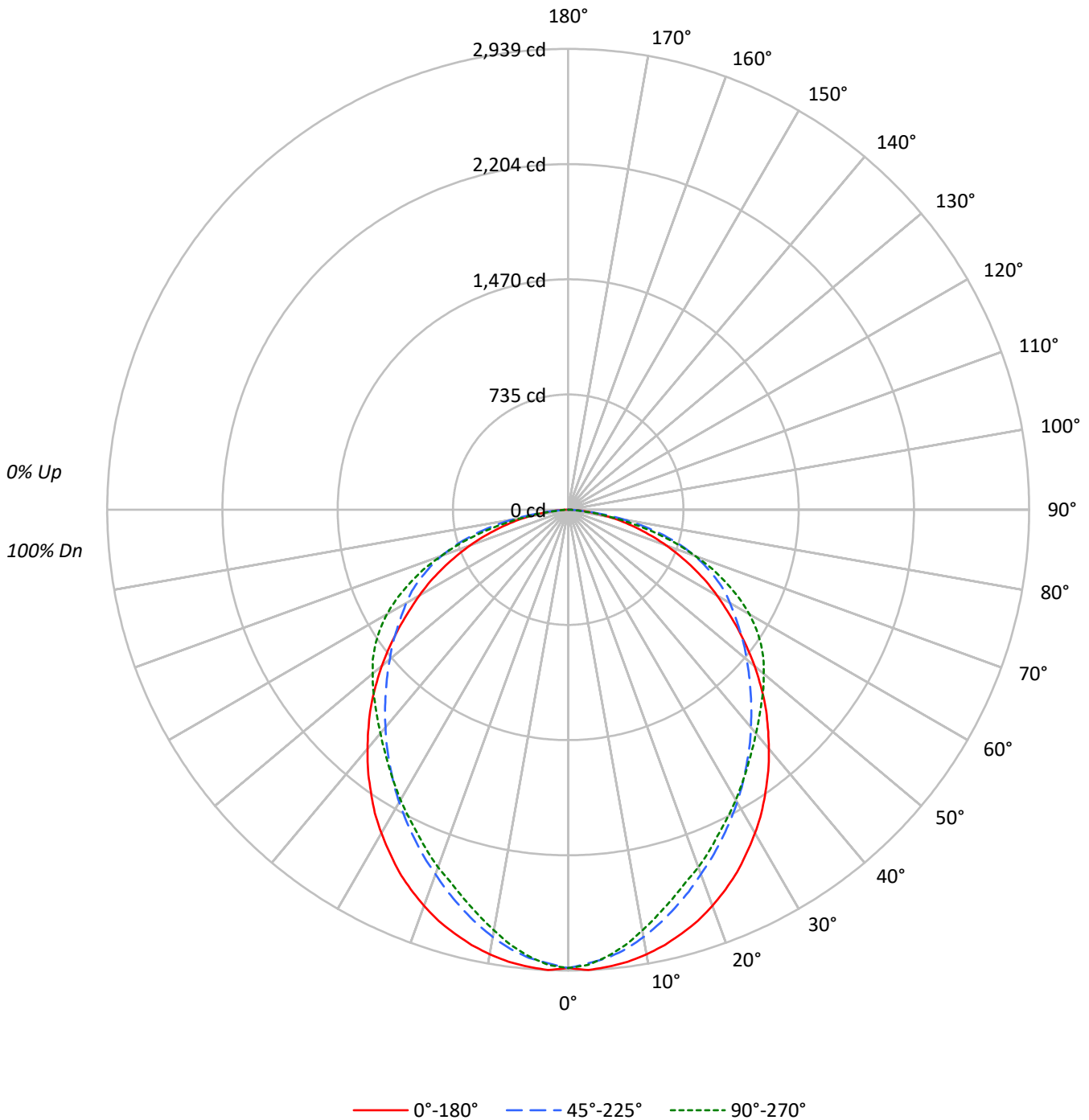
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TB-150-HE-L940  
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7647.0 lumens  
Efficiency: N/A  
Efficacy: 173.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26  
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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### 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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5244	5244	5244
5°	5269	5167	5150
10°	5245	5041	4962
15°	5197	4884	4770
20°	5132	4723	4633
25°	5047	4588	4504
30°	4935	4464	4428
35°	4804	4342	4368
40°	4659	4242	4362
45°	4515	4171	4420
50°	4330	4142	4543
55°	4125	4170	4697
60°	3930	4275	4790
65°	3739	4409	4748
70°	3494	4504	4514
75°	3136	4370	4043
80°	2745	3709	3003
85°	2060	1962	1268



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	272.5	3.6
10°-20°	749.6	9.8
20°-30°	1090.6	14.3
30°-40°	1275.6	16.7
40°-50°	1311.1	17.1
50°-60°	1219.8	16.0
60°-70°	992.2	13.0
70°-80°	601.0	7.9
80°-90°	134.6	1.8
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°	2112.7	27.6
0°-40°	3388.3	44.3
0°-60°	5919.2	77.4
0°-90°	7647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7647.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2923	2923	2923	2923	2923	
5°	2926	2909	2869	2875	2860	278
15°	2798	2738	2630	2590	2568	789
25°	2550	2442	2318	2295	2276	1173
35°	2194	2077	1983	1995	1994	1372
45°	1780	1665	1644	1716	1742	1370
55°	1319	1246	1333	1469	1502	1180
65°	881	864	1039	1121	1118	872
75°	452	538	630	603	583	484
85°	100	138	95	69	62	122
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2923.2	2923.2	2923.2	2923.2	2923.2
2.5°	2938.6	2925.2	2896.3	2912.7	2905.9
5°	2926.1	2908.8	2869.3	2875.1	2859.7
7.5°	2907.8	2882.8	2826.0	2814.5	2801.0
10°	2879.0	2842.4	2767.3	2749.0	2724.0
12.5°	2843.4	2796.2	2701.9	2669.1	2646.0
15°	2798.1	2738.4	2629.7	2590.2	2568.1
17.5°	2749.0	2674.9	2554.6	2514.2	2491.1
20°	2688.4	2603.7	2473.7	2440.1	2426.6
22.5°	2621.0	2523.8	2398.7	2368.8	2353.4
25°	2549.8	2442.0	2317.8	2294.7	2275.5
27.5°	2466.0	2356.3	2236.0	2219.6	2206.2
30°	2382.3	2269.7	2155.1	2143.6	2137.8
32.5°	2293.7	2171.5	2070.4	2068.5	2065.6
35°	2193.6	2077.2	1982.8	1995.4	1994.4
37.5°	2096.4	1977.1	1900.1	1922.2	1927.0
40°	1989.6	1873.1	1811.5	1849.0	1862.5
42.5°	1884.7	1773.0	1728.7	1779.7	1801.9
45°	1779.7	1665.2	1644.0	1716.2	1742.2
47.5°	1665.2	1562.2	1564.1	1656.5	1687.3
50°	1551.6	1455.4	1484.2	1592.0	1627.7
52.5°	1434.2	1351.4	1412.1	1529.5	1569.9
55°	1318.7	1246.5	1333.1	1468.8	1501.6
57.5°	1203.2	1145.4	1260.9	1390.9	1423.6
60°	1095.4	1045.3	1191.6	1310.0	1335.0
62.5°	992.4	952.0	1123.3	1221.5	1234.0
65°	880.7	864.4	1038.6	1121.4	1118.5
67.5°	771.0	774.8	952.0	1005.9	1001.0
70°	666.1	696.9	858.6	880.7	860.5
72.5°	558.3	616.0	749.8	747.9	727.7
75°	452.4	538.1	630.5	602.6	583.3
77.5°	361.0	454.3	500.5	462.0	431.2
80°	265.7	363.8	359.0	315.7	290.7
82.5°	174.2	253.1	222.3	179.0	167.5
85°	100.1	137.6	95.3	69.3	61.6
87.5°	42.4	36.6	24.1	22.1	20.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)