

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-L930**

Issue Date: 3/3/2020



**Test Information**

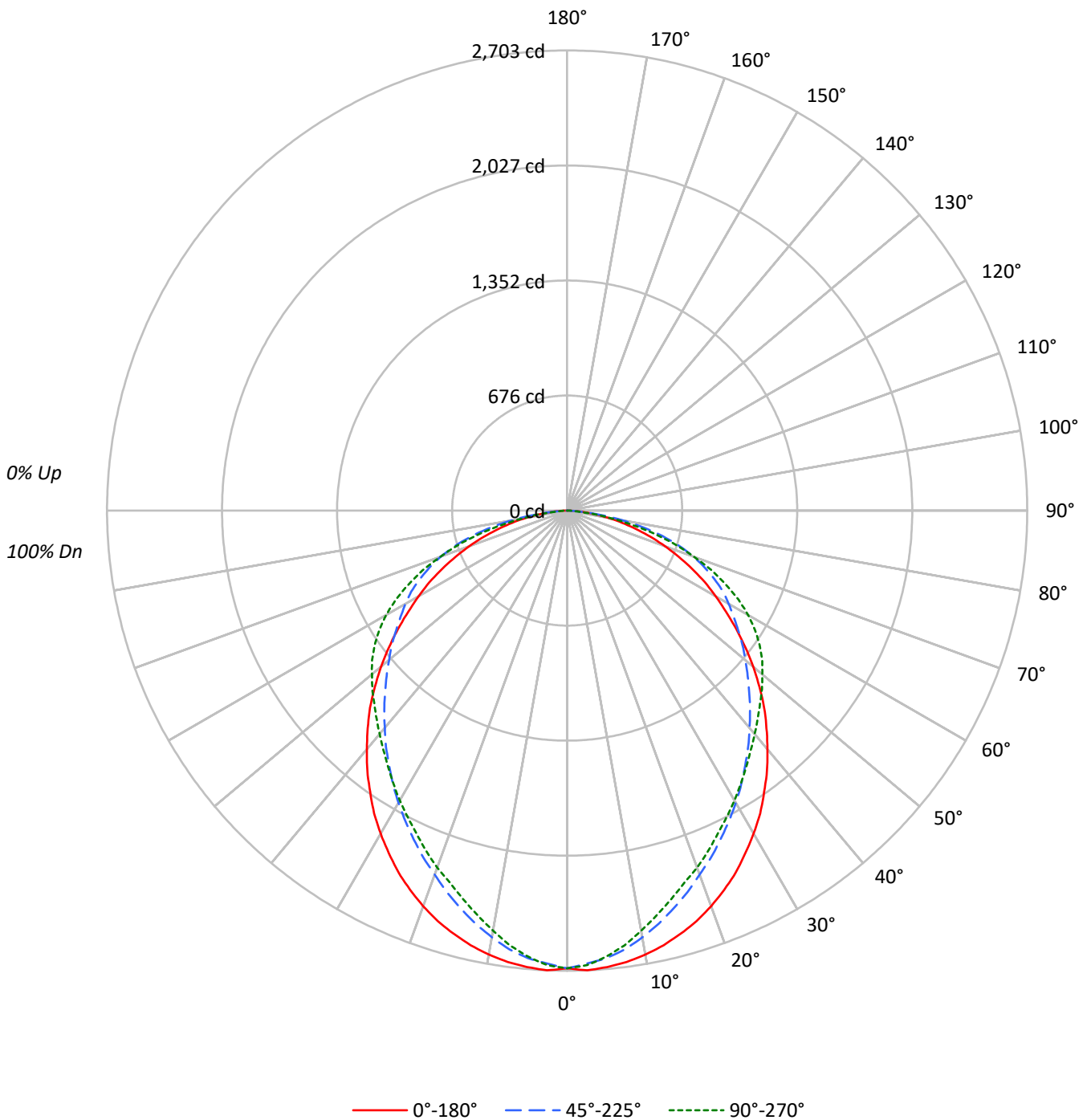
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TB-150-HE-L930  
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7033.7 lumens  
Efficiency: N/A  
Efficacy: 159.1 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°	4824	4824	4824
5°	4847	4753	4737
10°	4824	4637	4564
15°	4780	4492	4387
20°	4721	4344	4261
25°	4642	4220	4143
30°	4539	4106	4073
35°	4419	3994	4017
40°	4286	3902	4012
45°	4153	3837	4066
50°	3983	3810	4178
55°	3794	3835	4320
60°	3615	3933	4406
65°	3439	4055	4367
70°	3214	4142	4152
75°	2884	4020	3719
80°	2525	3411	2763
85°	1896	1803	1167



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.6	3.6
10°-20°	689.5	9.8
20°-30°	1003.1	14.3
30°-40°	1173.3	16.7
40°-50°	1206.0	17.1
50°-60°	1122.0	16.0
60°-70°	912.6	13.0
70°-80°	552.8	7.9
80°-90°	123.8	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°	1943.3	27.6
0°-40°	3116.5	44.3
0°-60°	5444.5	77.4
0°-90°	7033.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7033.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2689	2689	2689	2689	2689	
5°	2692	2676	2639	2644	2630	256
15°	2574	2519	2419	2382	2362	726
25°	2345	2246	2132	2111	2093	1079
35°	2018	1911	1824	1835	1834	1262
45°	1637	1532	1512	1579	1602	1260
55°	1213	1146	1226	1351	1381	1086
65°	810	795	955	1031	1029	802
75°	416	495	580	554	536	446
85°	92	127	88	64	57	112
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2688.8	2688.8	2688.8	2688.8	2688.8
2.5°	2703.0	2690.6	2664.0	2679.1	2672.9
5°	2691.5	2675.5	2639.2	2644.5	2630.4
7.5°	2674.6	2651.6	2599.4	2588.8	2576.4
10°	2648.1	2614.4	2545.4	2528.6	2505.5
12.5°	2615.3	2571.9	2485.2	2455.1	2433.8
15°	2573.7	2518.8	2418.8	2382.5	2362.1
17.5°	2528.6	2460.4	2349.7	2312.5	2291.3
20°	2472.8	2394.9	2275.4	2244.4	2232.0
22.5°	2410.8	2321.4	2206.3	2178.9	2164.7
25°	2345.3	2246.1	2131.9	2110.7	2093.0
27.5°	2268.3	2167.3	2056.7	2041.6	2029.2
30°	2191.2	2087.7	1982.3	1971.7	1966.4
32.5°	2109.8	1997.4	1904.4	1902.6	1900.0
35°	2017.7	1910.6	1823.8	1835.3	1834.4
37.5°	1928.3	1818.5	1747.7	1768.0	1772.5
40°	1830.0	1722.9	1666.2	1700.8	1713.2
42.5°	1733.5	1630.8	1590.1	1637.0	1657.4
45°	1637.0	1531.7	1512.2	1578.6	1602.5
47.5°	1531.7	1436.9	1438.7	1523.7	1552.0
50°	1427.2	1338.7	1365.2	1464.4	1497.1
52.5°	1319.2	1243.0	1298.8	1406.8	1444.0
55°	1212.9	1146.5	1226.2	1351.0	1381.1
57.5°	1106.7	1053.6	1159.8	1279.3	1309.4
60°	1007.5	961.5	1096.1	1205.0	1228.0
62.5°	912.8	875.6	1033.2	1123.5	1135.0
65°	810.1	795.0	955.3	1031.4	1028.8
67.5°	709.2	712.7	875.6	925.2	920.8
70°	612.7	641.0	789.7	810.1	791.5
72.5°	513.5	566.6	689.7	687.9	669.3
75°	416.1	494.9	579.9	554.2	536.5
77.5°	332.0	417.9	460.4	425.0	396.6
80°	244.4	334.7	330.2	290.4	267.4
82.5°	160.2	232.8	204.5	164.7	154.1
85°	92.1	126.6	87.6	63.7	56.7
87.5°	39.0	33.6	22.1	20.4	18.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)