

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-50-HE-L850**

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-50-HE-L850  
Description: 6ft RSRK, 500 LUMEN PER FOOT 80CRI 5000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

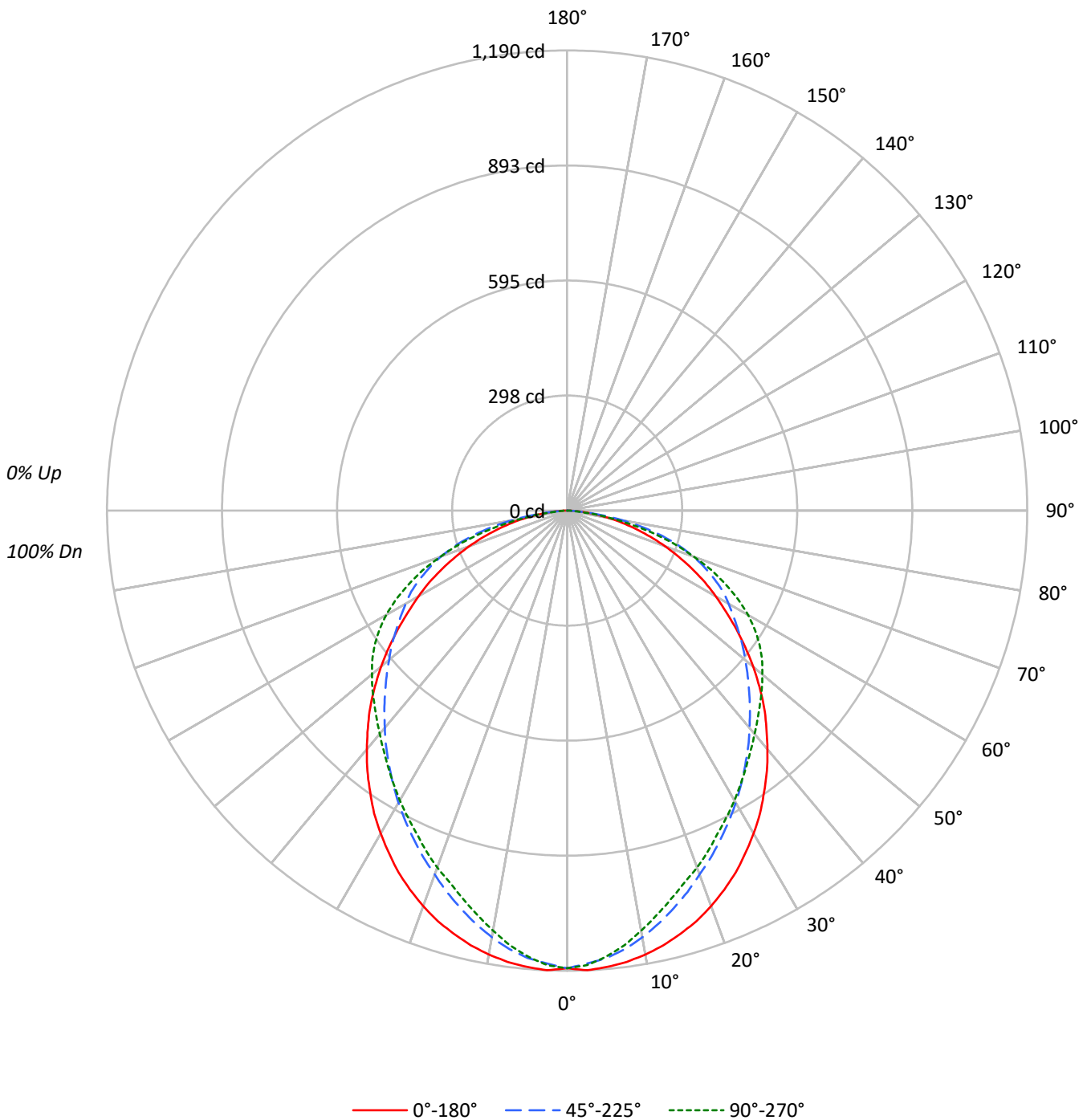
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3096.0 lumens  
Efficiency: N/A  
Efficacy: 216.5 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): 14.3  
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

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

	0°	45°	90°
0°	2123	2123	2123
5°	2133	2092	2085
10°	2123	2041	2009
15°	2104	1977	1931
20°	2078	1912	1876
25°	2043	1858	1824
30°	1998	1807	1793
35°	1945	1758	1768
40°	1886	1718	1766
45°	1828	1689	1790
50°	1753	1677	1839
55°	1670	1688	1901
60°	1591	1731	1939
65°	1514	1785	1922
70°	1415	1823	1827
75°	1270	1770	1637
80°	1112	1502	1216
85°	834	795	513



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.3	3.6
10°-20°	303.5	9.8
20°-30°	441.5	14.3
30°-40°	516.4	16.7
40°-50°	530.8	17.1
50°-60°	493.8	16.0
60°-70°	401.7	13.0
70°-80°	243.3	7.9
80°-90°	54.5	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°	855.4	27.6
0°-40°	1371.8	44.3
0°-60°	2396.5	77.4
0°-90°	3096.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3096.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1184	1184	1184	1184	1184	
5°	1185	1178	1162	1164	1158	112
15°	1133	1109	1065	1049	1040	319
25°	1032	989	938	929	921	475
35°	888	841	803	808	808	556
45°	721	674	666	695	705	555
55°	534	505	540	595	608	478
65°	357	350	420	454	453	353
75°	183	218	255	244	236	196
85°	40	56	39	28	25	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1183.5	1183.5	1183.5	1183.5	1183.5
2.5°	1189.8	1184.3	1172.6	1179.2	1176.5
5°	1184.7	1177.7	1161.7	1164.0	1157.8
7.5°	1177.3	1167.2	1144.2	1139.5	1134.0
10°	1165.6	1150.8	1120.4	1113.0	1102.9
12.5°	1151.2	1132.1	1093.9	1080.6	1071.3
15°	1132.9	1108.7	1064.7	1048.7	1039.7
17.5°	1113.0	1083.0	1034.3	1017.9	1008.5
20°	1088.4	1054.1	1001.5	987.9	982.4
22.5°	1061.2	1021.8	971.1	959.1	952.8
25°	1032.3	988.7	938.4	929.0	921.3
27.5°	998.4	954.0	905.3	898.6	893.2
30°	964.5	918.9	872.5	867.9	865.5
32.5°	928.7	879.2	838.2	837.5	836.3
35°	888.1	841.0	802.8	807.8	807.5
37.5°	848.8	800.4	769.3	778.2	780.2
40°	805.5	758.4	733.4	748.6	754.1
42.5°	763.0	717.8	699.9	720.6	729.5
45°	720.6	674.2	665.6	694.8	705.4
47.5°	674.2	632.5	633.3	670.7	683.1
50°	628.2	589.2	600.9	644.6	659.0
52.5°	580.7	547.1	571.7	619.2	635.6
55°	533.9	504.7	539.7	594.7	607.9
57.5°	487.1	463.7	510.5	563.1	576.4
60°	443.5	423.2	482.4	530.4	540.5
62.5°	401.8	385.4	454.8	494.5	499.6
65°	356.6	350.0	420.5	454.0	452.8
67.5°	312.2	313.7	385.4	407.2	405.3
70°	269.7	282.1	347.6	356.6	348.4
72.5°	226.0	249.4	303.6	302.8	294.6
75°	183.2	217.8	255.3	244.0	236.2
77.5°	146.1	183.9	202.6	187.1	174.6
80°	107.6	147.3	145.4	127.8	117.7
82.5°	70.5	102.5	90.0	72.5	67.8
85°	40.5	55.7	38.6	28.1	24.9
87.5°	17.1	14.8	9.7	9.0	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)