

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-L930**

Issue Date: 3/3/2020



**Test Information**

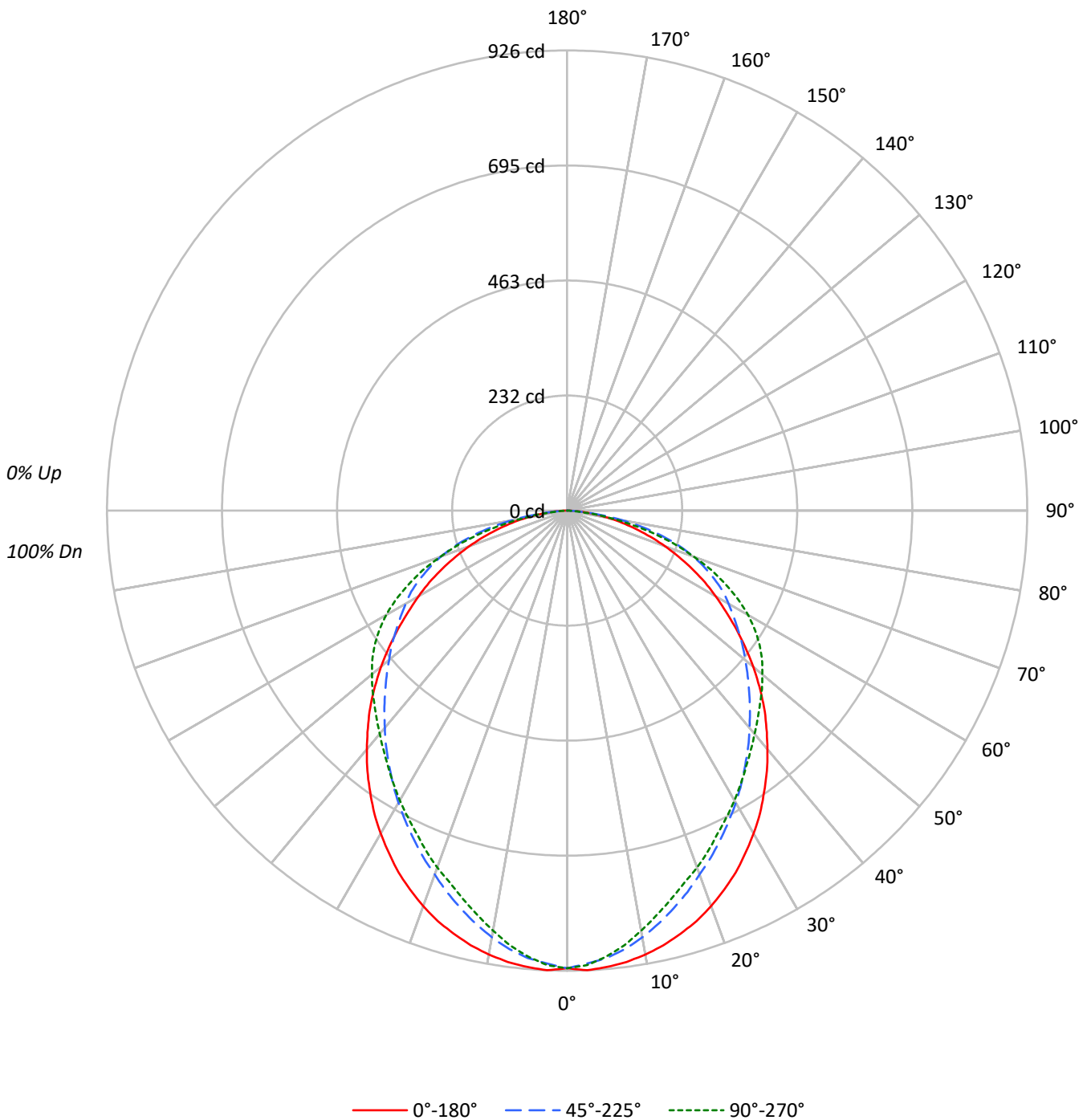
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TB-50-HE-L930  
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2409.2 lumens  
Efficiency: N/A  
Efficacy: 168.5 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°	1652	1652	1652
5°	1660	1628	1622
10°	1652	1588	1563
15°	1637	1539	1503
20°	1617	1488	1460
25°	1590	1445	1419
30°	1555	1407	1395
35°	1514	1368	1376
40°	1468	1337	1374
45°	1423	1314	1393
50°	1364	1305	1431
55°	1299	1314	1480
60°	1238	1347	1509
65°	1178	1389	1496
70°	1100	1419	1422
75°	988	1377	1274
80°	865	1168	946
85°	648	618	399



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.8	3.6
10°-20°	236.2	9.8
20°-30°	343.6	14.3
30°-40°	401.9	16.7
40°-50°	413.1	17.1
50°-60°	384.3	16.0
60°-70°	312.6	13.0
70°-80°	189.3	7.9
80°-90°	42.4	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°	665.6	27.6
0°-40°	1067.5	44.3
0°-60°	1864.8	77.4
0°-90°	2409.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2409.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	921	921	921	921	921	
5°	922	916	904	906	901	88
15°	882	863	828	816	809	249
25°	803	769	730	723	717	370
35°	691	654	625	629	628	432
45°	561	525	518	541	549	432
55°	415	393	420	463	473	372
65°	278	272	327	353	352	275
75°	142	170	199	190	184	153
85°	32	43	30	22	19	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	921.0	921.0	921.0	921.0	921.0
2.5°	925.8	921.6	912.5	917.6	915.5
5°	921.9	916.4	904.0	905.8	900.9
7.5°	916.1	908.2	890.3	886.7	882.4
10°	907.0	895.5	871.8	866.1	858.2
12.5°	895.8	880.9	851.2	840.9	833.6
15°	881.5	862.7	828.5	816.0	809.1
17.5°	866.1	842.7	804.8	792.1	784.8
20°	847.0	820.3	779.3	768.7	764.5
22.5°	825.7	795.1	755.7	746.3	741.4
25°	803.3	769.3	730.2	722.9	716.9
27.5°	776.9	742.3	704.4	699.3	695.0
30°	750.5	715.1	679.0	675.3	673.5
32.5°	722.6	684.1	652.3	651.7	650.8
35°	691.1	654.4	624.7	628.6	628.3
37.5°	660.5	622.9	598.6	605.6	607.1
40°	626.8	590.1	570.7	582.5	586.8
42.5°	593.8	558.6	544.6	560.7	567.7
45°	560.7	524.6	517.9	540.7	548.9
47.5°	524.6	492.2	492.8	521.9	531.6
50°	488.8	458.5	467.6	501.6	512.8
52.5°	451.8	425.8	444.9	481.9	494.6
55°	415.4	392.7	420.0	462.8	473.1
57.5°	379.1	360.9	397.3	438.2	448.5
60°	345.1	329.3	375.4	412.7	420.6
62.5°	312.6	299.9	353.9	384.8	388.8
65°	277.5	272.3	327.2	353.3	352.4
67.5°	242.9	244.1	299.9	316.9	315.4
70°	209.8	219.6	270.5	277.5	271.1
72.5°	175.9	194.1	236.2	235.6	229.3
75°	142.5	169.5	198.6	189.8	183.8
77.5°	113.7	143.1	157.7	145.6	135.9
80°	83.7	114.6	113.1	99.5	91.6
82.5°	54.9	79.8	70.1	56.4	52.8
85°	31.5	43.4	30.0	21.8	19.4
87.5°	13.3	11.5	7.6	7.0	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)