

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-TS-50-HE-L930**

Issue Date: 3/3/2020



**Test Information**

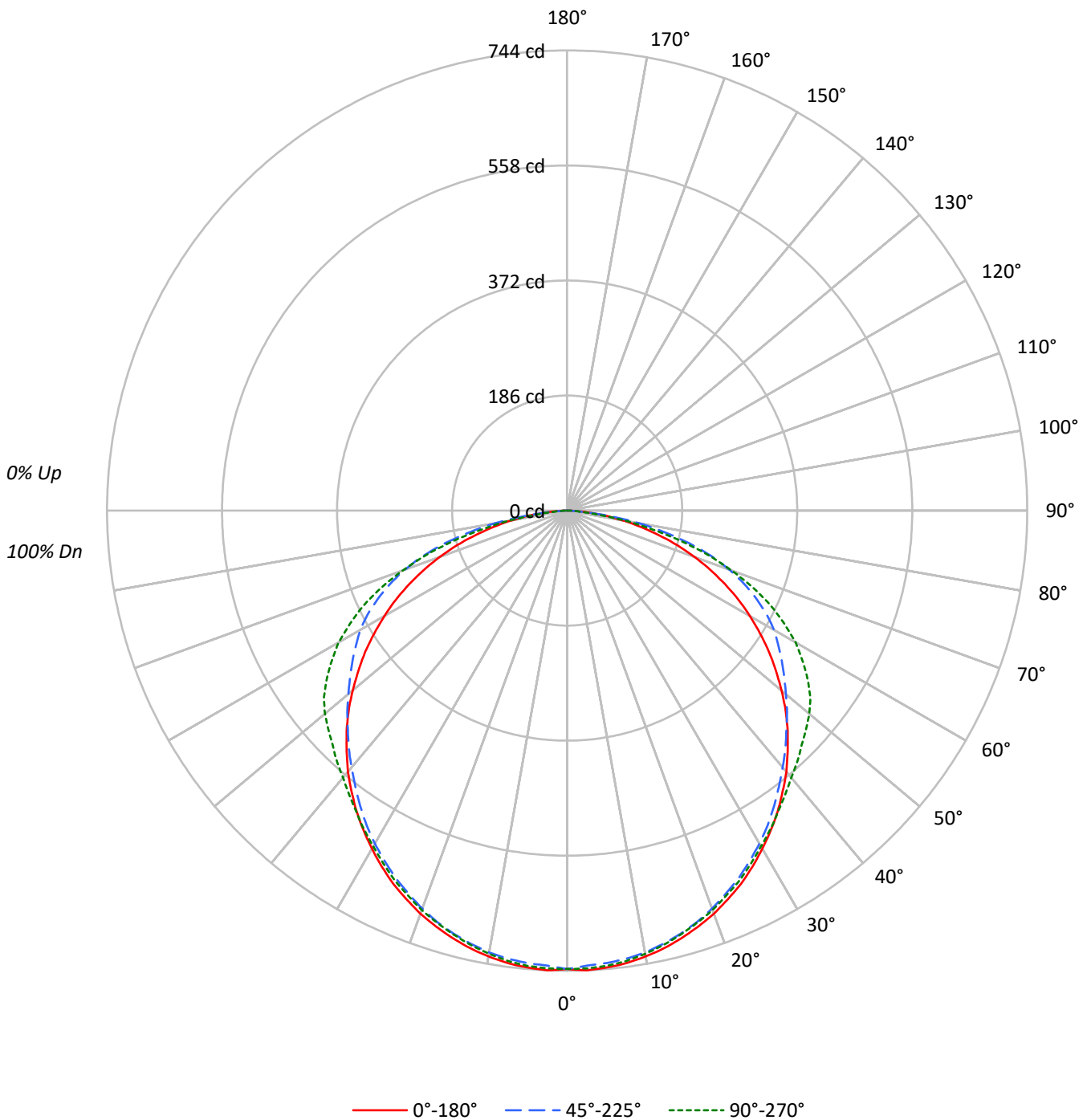
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TS-50-HE-L930  
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2282.0 lumens  
Efficiency: N/A  
Efficacy: 159.6 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39  
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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

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

	0°	45°	90°
0°	1330	1330	1330
5°	1336	1323	1330
10°	1333	1322	1325
15°	1329	1316	1318
20°	1324	1308	1312
25°	1318	1298	1306
30°	1308	1288	1299
35°	1300	1277	1302
40°	1291	1270	1320
45°	1279	1272	1360
50°	1263	1289	1427
55°	1247	1326	1484
60°	1225	1386	1531
65°	1195	1432	1543
70°	1149	1464	1483
75°	1058	1416	1325
80°	938	1218	1017
85°	675	618	403



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.2	3.1
10°-20°	200.9	8.8
20°-30°	304.2	13.3
30°-40°	368.9	16.2
40°-50°	394.6	17.3
50°-60°	382.5	16.8
60°-70°	320.4	14.0
70°-80°	196.9	8.6
80°-90°	43.5	1.9
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°	575.2	25.2
0°-40°	944.2	41.4
0°-60°	1721.3	75.4
0°-90°	2282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2282.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	741	741	741	741	741	
5°	742	740	734	739	739	70
15°	716	714	708	712	710	202
25°	666	662	656	660	660	307
35°	594	586	583	593	594	371
45°	504	493	501	527	536	389
55°	399	388	424	466	475	356
65°	282	280	337	360	363	278
75°	153	178	204	196	191	162
85°	33	44	30	21	20	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	741.2	741.2	741.2	741.2	741.2
2.5°	744.0	742.0	736.4	741.2	740.8
5°	741.6	740.0	734.4	739.2	738.8
7.5°	738.0	736.4	730.8	735.6	734.4
10°	732.0	730.8	725.6	729.2	727.6
12.5°	724.8	723.6	717.6	721.6	719.6
15°	715.6	714.0	708.4	711.6	709.6
17.5°	705.2	703.2	697.6	700.8	698.8
20°	693.6	690.8	684.9	689.3	687.3
22.5°	679.7	677.7	670.5	675.3	673.3
25°	665.7	661.7	655.7	660.1	659.7
27.5°	648.9	644.9	638.9	644.1	643.3
30°	631.3	626.9	621.7	626.9	626.9
32.5°	612.9	607.3	603.3	609.3	611.3
35°	593.7	586.1	583.3	593.3	594.5
37.5°	572.5	564.9	562.5	575.7	578.9
40°	551.3	541.7	542.1	558.9	563.7
42.5°	527.7	518.1	522.5	542.1	550.9
45°	504.1	493.3	501.3	526.9	536.1
47.5°	479.4	469.0	482.2	512.1	523.7
50°	452.6	442.2	461.8	498.1	511.3
52.5°	425.4	414.6	442.2	483.8	495.7
55°	398.6	387.8	423.8	465.8	474.6
57.5°	369.8	360.6	404.6	442.2	451.0
60°	341.4	333.4	386.2	418.2	426.6
62.5°	312.2	306.2	363.8	390.6	395.4
65°	281.5	279.9	337.4	360.2	363.4
67.5°	250.7	254.7	310.2	325.0	325.4
70°	219.1	229.9	279.1	285.5	282.7
72.5°	187.1	205.9	244.7	241.5	239.1
75°	152.7	178.3	204.3	195.5	191.1
77.5°	121.5	150.3	161.1	148.7	141.9
80°	90.8	118.7	117.9	101.9	98.4
82.5°	61.2	82.8	70.8	57.6	50.4
85°	32.8	44.0	30.0	20.8	19.6
87.5°	12.4	10.4	8.0	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)