

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-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 (G3-1810-975-5)
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-L940
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

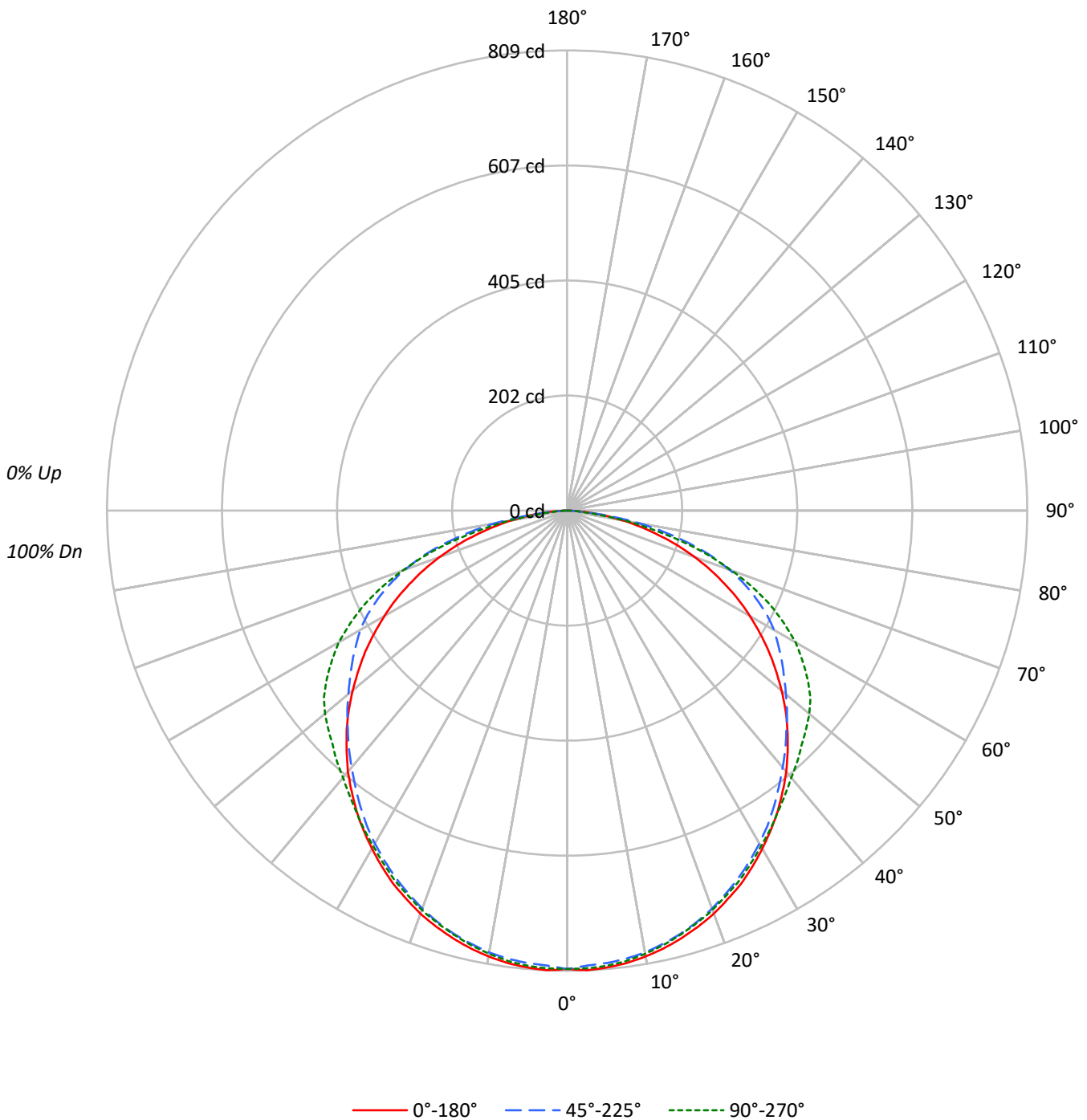
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2481.0 lumens
Efficiency: N/A
Efficacy: 173.5 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	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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83					83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68					68			
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56					56			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48					48			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41					41			
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36					36			
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31					31			
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28					28			
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25					25			
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22					22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1446	1446	1446
5°	1452	1438	1446
10°	1450	1437	1441
15°	1445	1430	1433
20°	1440	1422	1426
25°	1433	1411	1420
30°	1422	1400	1412
35°	1414	1389	1415
40°	1404	1380	1435
45°	1391	1383	1479
50°	1373	1401	1551
55°	1356	1441	1614
60°	1332	1507	1664
65°	1299	1557	1677
70°	1249	1591	1612
75°	1151	1539	1440
80°	1020	1324	1104
85°	733	671	438



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	3.1
10°-20°	218.4	8.8
20°-30°	330.7	13.3
30°-40°	401.1	16.2
40°-50°	429.1	17.3
50°-60°	415.9	16.8
60°-70°	348.3	14.0
70°-80°	214.0	8.6
80°-90°	47.3	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°	625.4	25.2
0°-40°	1026.5	41.4
0°-60°	1871.4	75.4
0°-90°	2481.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2481.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	806	806	806	806	806	
5°	806	804	798	804	803	77
15°	778	776	770	774	772	220
25°	724	719	713	718	717	333
35°	646	637	634	645	646	404
45°	548	536	545	573	583	423
55°	433	422	461	506	516	387
65°	306	304	367	392	395	303
75°	166	194	222	212	208	177
85°	36	48	33	23	21	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	805.9	805.9	805.9	805.9	805.9
2.5°	808.9	806.7	800.6	805.9	805.4
5°	806.3	804.5	798.5	803.7	803.2
7.5°	802.4	800.6	794.5	799.8	798.5
10°	795.9	794.5	788.9	792.8	791.1
12.5°	788.0	786.7	780.2	784.6	782.4
15°	778.0	776.3	770.2	773.7	771.5
17.5°	766.7	764.6	758.5	762.0	759.8
20°	754.1	751.1	744.6	749.3	747.2
22.5°	738.9	736.7	728.9	734.1	732.0
25°	723.7	719.4	712.8	717.6	717.2
27.5°	705.4	701.1	694.6	700.2	699.4
30°	686.3	681.5	675.9	681.5	681.5
32.5°	666.3	660.2	655.9	662.4	664.6
35°	645.5	637.2	634.2	645.0	646.3
37.5°	622.4	614.2	611.6	625.9	629.4
40°	599.4	589.0	589.4	607.6	612.9
42.5°	573.7	563.3	568.1	589.4	599.0
45°	548.1	536.4	545.1	572.9	582.9
47.5°	521.2	509.9	524.2	556.8	569.4
50°	492.0	480.7	502.0	541.6	555.9
52.5°	462.5	450.7	480.7	525.9	539.0
55°	433.4	421.6	460.7	506.4	515.9
57.5°	402.1	392.1	439.9	480.7	490.3
60°	371.2	362.5	419.9	454.6	463.8
62.5°	339.5	332.9	395.5	424.7	429.9
65°	306.0	304.3	366.8	391.6	395.1
67.5°	272.5	276.9	337.3	353.4	353.8
70°	238.2	249.9	303.4	310.3	307.3
72.5°	203.4	223.8	266.0	262.5	259.9
75°	166.0	193.9	222.1	212.5	207.8
77.5°	132.1	163.4	175.2	161.7	154.3
80°	98.7	129.1	128.2	110.8	106.9
82.5°	66.5	90.0	76.9	62.6	54.8
85°	35.6	47.8	32.6	22.6	21.3
87.5°	13.5	11.3	8.7	7.8	7.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)