

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-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 (G3-1810-975-9)
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-L940
Description: 6ft RSRK, 500 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

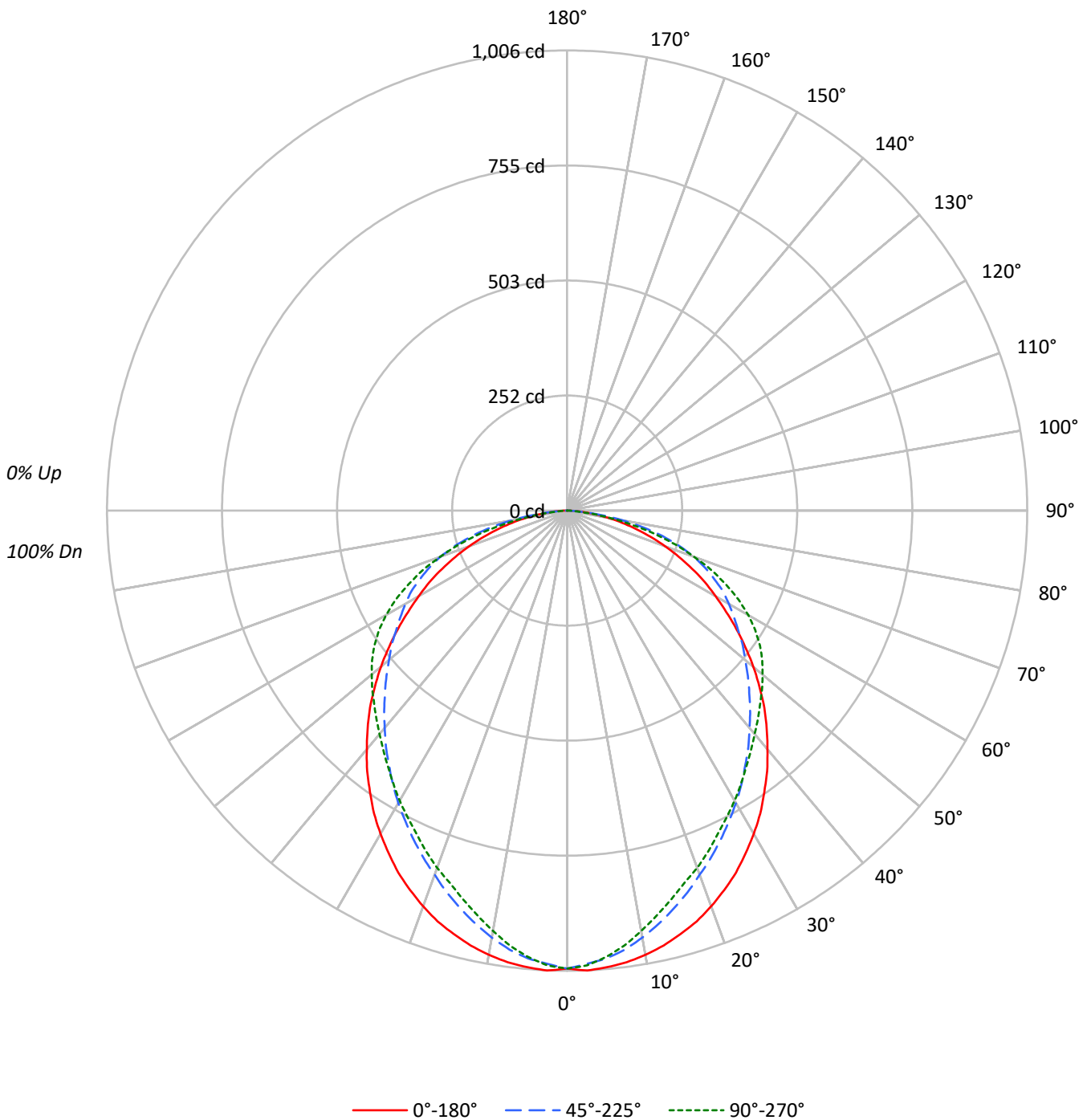
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2619.2 lumens
Efficiency: N/A
Efficacy: 183.2 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°	1796	1796	1796
5°	1805	1770	1764
10°	1796	1727	1700
15°	1780	1673	1634
20°	1758	1618	1587
25°	1729	1571	1543
30°	1690	1529	1517
35°	1646	1487	1496
40°	1596	1453	1494
45°	1547	1429	1514
50°	1483	1419	1556
55°	1413	1428	1609
60°	1346	1465	1641
65°	1281	1510	1626
70°	1196	1543	1546
75°	1074	1496	1385
80°	940	1271	1029
85°	706	671	434



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	3.6
10°-20°	256.8	9.8
20°-30°	373.5	14.3
30°-40°	436.9	16.7
40°-50°	449.1	17.1
50°-60°	417.8	16.0
60°-70°	339.9	13.0
70°-80°	205.8	7.9
80°-90°	46.1	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°	723.6	27.6
0°-40°	1160.5	44.3
0°-60°	2027.4	77.4
0°-90°	2619.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2619.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1001	1001	1001	1001	1001	
5°	1002	996	983	985	980	95
15°	958	938	901	887	880	270
25°	873	836	794	786	779	402
35°	751	712	679	683	683	470
45°	610	570	563	588	597	469
55°	452	427	457	503	514	404
65°	302	296	356	384	383	299
75°	155	184	216	206	200	166
85°	34	47	33	24	21	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1001.3	1001.3	1001.3	1001.3	1001.3
2.5°	1006.5	1001.9	992.0	997.6	995.3
5°	1002.2	996.3	982.8	984.8	979.5
7.5°	996.0	987.4	968.0	964.0	959.4
10°	986.1	973.6	947.8	941.6	933.0
12.5°	973.9	957.7	925.4	914.2	906.3
15°	958.4	938.0	900.7	887.2	879.6
17.5°	941.6	916.2	875.0	861.1	853.2
20°	920.8	891.8	847.3	835.8	831.1
22.5°	897.7	864.4	821.6	811.4	806.1
25°	873.3	836.4	793.9	786.0	779.4
27.5°	844.7	807.1	765.9	760.3	755.6
30°	816.0	777.4	738.2	734.2	732.2
32.5°	785.6	743.8	709.2	708.5	707.5
35°	751.4	711.5	679.2	683.4	683.1
37.5°	718.1	677.2	650.8	658.4	660.0
40°	681.5	641.6	620.5	633.3	637.9
42.5°	645.5	607.3	592.1	609.6	617.2
45°	609.6	570.4	563.1	587.8	596.7
47.5°	570.4	535.1	535.7	567.4	577.9
50°	531.5	498.5	508.4	545.3	557.5
52.5°	491.2	462.9	483.7	523.9	537.7
55°	451.7	426.9	456.6	503.1	514.3
57.5°	412.1	392.3	431.9	476.4	487.6
60°	375.2	358.0	408.2	448.7	457.3
62.5°	339.9	326.1	384.7	418.4	422.7
65°	301.7	296.1	355.7	384.1	383.1
67.5°	264.1	265.4	326.1	344.5	342.9
70°	228.1	238.7	294.1	301.7	294.7
72.5°	191.2	211.0	256.8	256.2	249.2
75°	155.0	184.3	215.9	206.4	199.8
77.5°	123.6	155.6	171.4	158.2	147.7
80°	91.0	124.6	123.0	108.1	99.6
82.5°	59.7	86.7	76.2	61.3	57.4
85°	34.3	47.1	32.6	23.7	21.1
87.5°	14.5	12.5	8.2	7.6	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)