

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: **4RSRK-TS-150-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: 4RSRK-TS-150-HE-L940
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

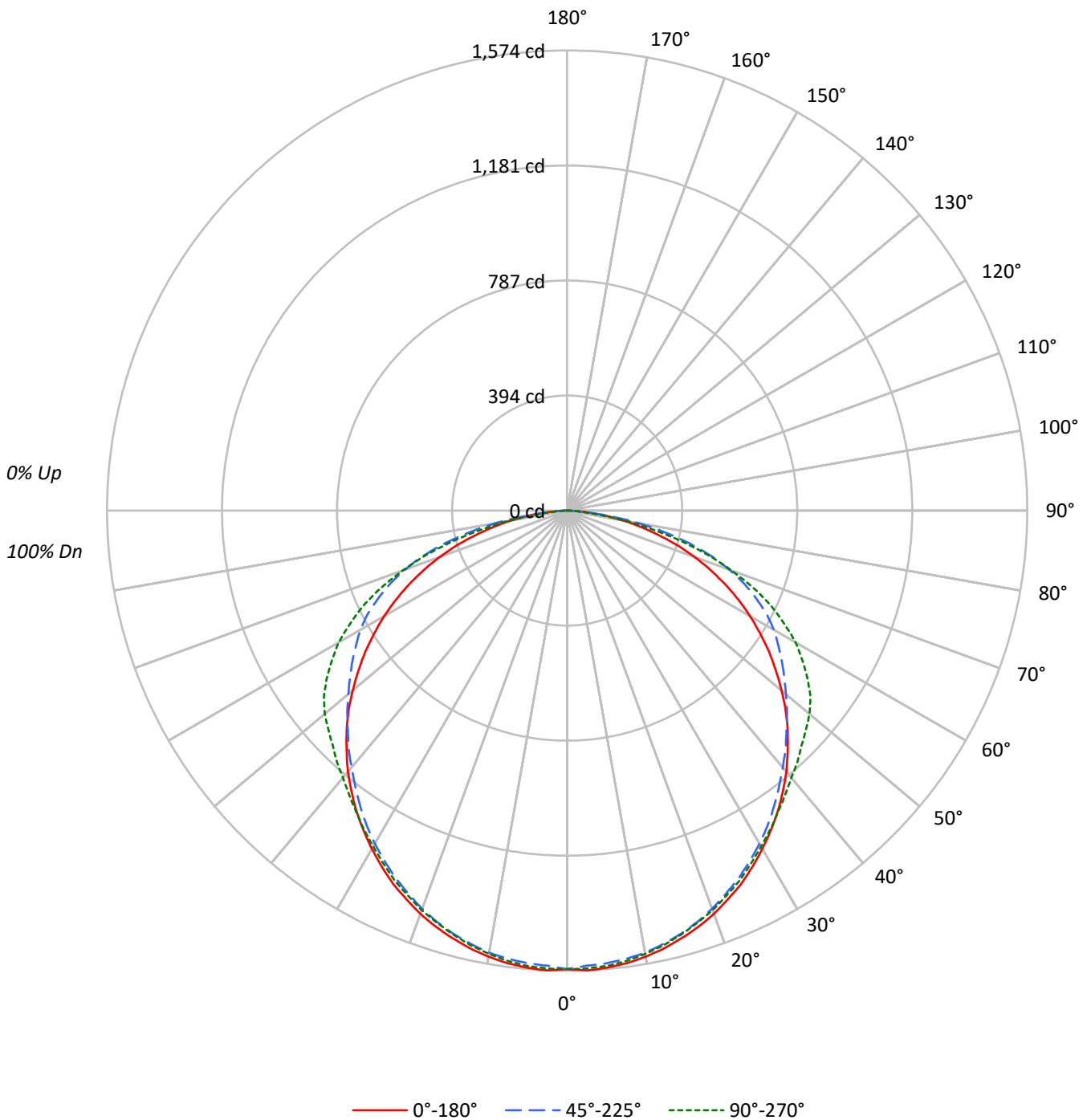
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4828.9 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
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

TEST NUMBER: P#
CATALOG NUMBER: 4RSRK-TS-150-HE-L940

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°	4221	4221	4221
5°	4239	4198	4223
10°	4233	4196	4207
15°	4219	4176	4184
20°	4203	4150	4165
25°	4182	4119	4145
30°	4151	4088	4122
35°	4127	4055	4133
40°	4098	4030	4190
45°	4060	4037	4317
50°	4009	4091	4530
55°	3957	4207	4711
60°	3888	4398	4858
65°	3792	4546	4897
70°	3648	4646	4706
75°	3360	4495	4205
80°	2975	3868	3225
85°	2143	1961	1281



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	3.1
10°-20°	425.1	8.8
20°-30°	643.6	13.3
30°-40°	780.7	16.2
40°-50°	835.1	17.3
50°-60°	809.4	16.8
60°-70°	677.9	14.0
70°-80°	416.6	8.6
80°-90°	92.0	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°	1217.3	25.2
0°-40°	1997.9	41.4
0°-60°	3642.5	75.4
0°-90°	4828.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4828.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1568	1568	1568	1568	1568	
5°	1569	1566	1554	1564	1563	149
15°	1514	1511	1499	1506	1502	427
25°	1409	1400	1387	1397	1396	649
35°	1256	1240	1234	1256	1258	786
45°	1067	1044	1061	1115	1134	823
55°	844	821	897	986	1004	753
65°	596	592	714	762	769	589
75°	323	377	432	414	404	344
85°	69	93	64	44	42	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1568.5	1568.5	1568.5	1568.5	1568.5
2.5°	1574.4	1570.2	1558.3	1568.5	1567.6
5°	1569.3	1566.0	1554.1	1564.3	1563.4
7.5°	1561.7	1558.3	1546.5	1556.6	1554.1
10°	1549.0	1546.5	1535.5	1543.1	1539.7
12.5°	1533.8	1531.3	1518.6	1527.0	1522.8
15°	1514.3	1511.0	1499.1	1505.9	1501.7
17.5°	1492.4	1488.1	1476.3	1483.0	1478.8
20°	1467.8	1461.9	1449.2	1458.5	1454.3
22.5°	1438.2	1434.0	1418.8	1428.9	1424.7
25°	1408.6	1400.1	1387.4	1396.8	1395.9
27.5°	1373.1	1364.6	1351.9	1362.9	1361.2
30°	1335.8	1326.5	1315.5	1326.5	1326.5
32.5°	1296.9	1285.1	1276.6	1289.3	1293.5
35°	1256.3	1240.2	1234.3	1255.5	1258.0
37.5°	1211.5	1195.4	1190.3	1218.2	1225.0
40°	1166.6	1146.3	1147.2	1182.7	1192.9
42.5°	1116.7	1096.4	1105.7	1147.2	1165.8
45°	1066.8	1044.0	1060.9	1115.0	1134.5
47.5°	1014.4	992.4	1020.3	1083.7	1108.3
50°	957.7	935.7	977.1	1054.1	1082.0
52.5°	900.1	877.3	935.7	1023.7	1049.0
55°	843.5	820.6	896.8	985.6	1004.2
57.5°	782.6	763.1	856.2	935.7	954.3
60°	722.5	705.6	817.2	884.9	902.7
62.5°	660.7	648.0	769.9	826.5	836.7
65°	595.6	592.2	714.0	762.3	769.0
67.5°	530.4	538.9	656.5	687.8	688.6
70°	463.6	486.5	590.5	604.0	598.1
72.5°	395.9	435.7	517.8	511.0	505.9
75°	323.2	377.3	432.3	413.7	404.4
77.5°	257.2	318.1	340.9	314.7	300.3
80°	192.0	251.3	249.6	215.7	208.1
82.5°	129.4	175.1	149.7	121.8	106.6
85°	69.4	93.1	63.5	44.0	41.5
87.5°	26.2	22.0	16.9	15.2	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)