

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-100-HE-L950**

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-100-HE-L950
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

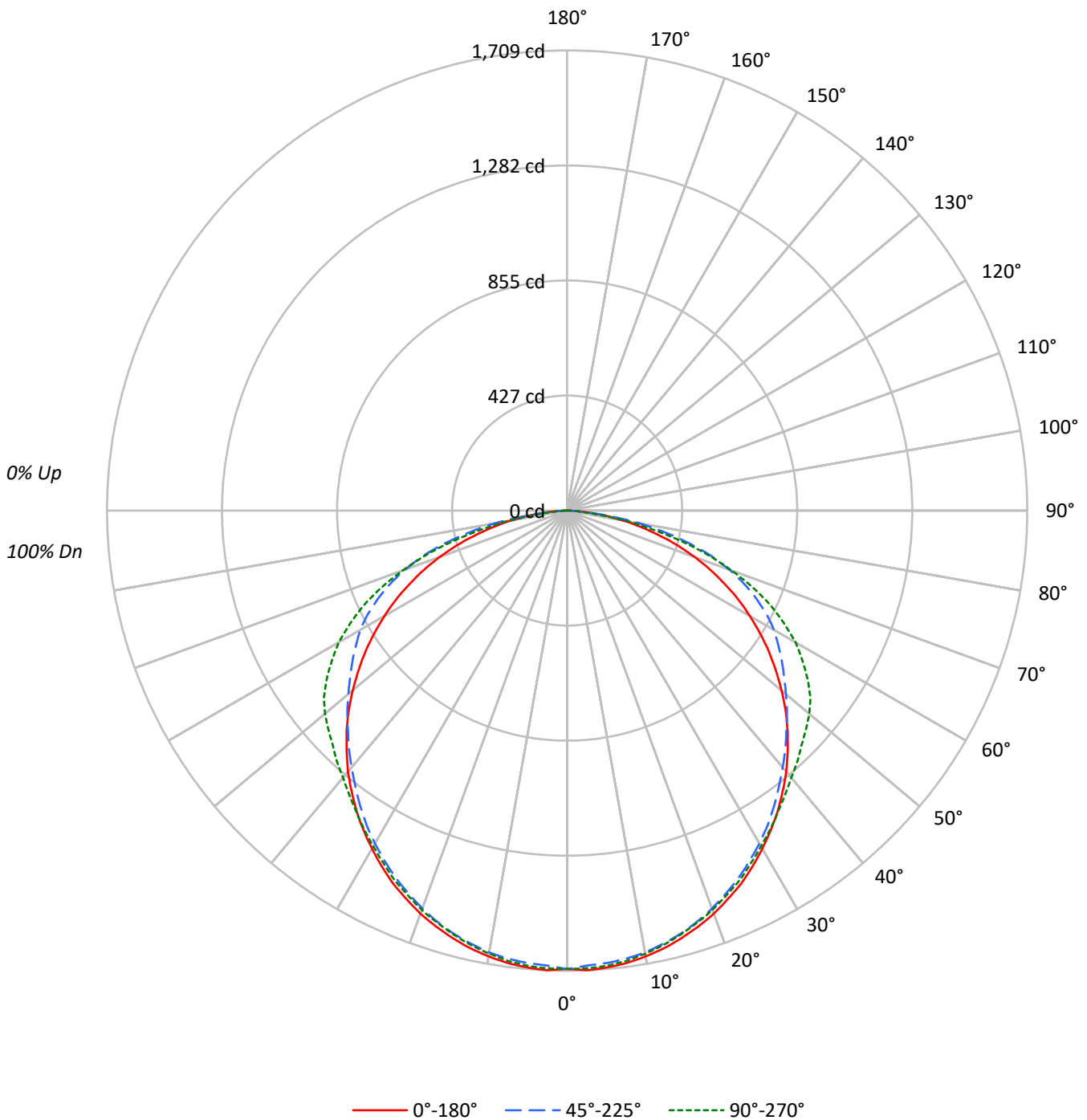
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5241.0 lumens
Efficiency: N/A
Efficacy: 182.0 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): 28.8
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°	3054	3054	3054
5°	3067	3037	3056
10°	3063	3036	3044
15°	3053	3022	3027
20°	3041	3003	3013
25°	3026	2981	2999
30°	3003	2958	2982
35°	2986	2934	2990
40°	2965	2916	3032
45°	2938	2921	3124
50°	2901	2960	3278
55°	2863	3044	3409
60°	2813	3183	3515
65°	2744	3290	3543
70°	2639	3362	3405
75°	2432	3252	3042
80°	2153	2799	2334
85°	1550	1418	926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	3.1
10°-20°	461.4	8.8
20°-30°	698.6	13.3
30°-40°	847.3	16.2
40°-50°	906.4	17.3
50°-60°	878.5	16.8
60°-70°	735.8	14.0
70°-80°	452.1	8.6
80°-90°	99.9	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°	1321.1	25.2
0°-40°	2168.4	41.4
0°-60°	3953.3	75.4
0°-90°	5241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5241.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1702	1702	1702	1702	1702	
5°	1703	1700	1687	1698	1697	162
15°	1644	1640	1627	1634	1630	464
25°	1529	1520	1506	1516	1515	704
35°	1364	1346	1340	1363	1365	853
45°	1158	1133	1151	1210	1231	893
55°	915	891	973	1070	1090	817
65°	646	643	775	827	835	639
75°	351	410	469	449	439	373
85°	75	101	69	48	45	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1702.3	1702.3	1702.3	1702.3	1702.3
2.5°	1708.8	1704.2	1691.3	1702.3	1701.4
5°	1703.3	1699.6	1686.7	1697.8	1696.8
7.5°	1695.0	1691.3	1678.5	1689.5	1686.7
10°	1681.2	1678.5	1666.5	1674.8	1671.1
12.5°	1664.7	1661.9	1648.2	1657.4	1652.8
15°	1643.6	1639.9	1627.1	1634.4	1629.8
17.5°	1619.7	1615.1	1602.3	1609.6	1605.0
20°	1593.1	1586.7	1572.9	1583.0	1578.4
22.5°	1560.9	1556.3	1539.8	1550.8	1546.2
25°	1528.8	1519.6	1505.8	1515.9	1515.0
27.5°	1490.2	1481.1	1467.3	1479.2	1477.4
30°	1449.8	1439.7	1427.8	1439.7	1439.7
32.5°	1407.6	1394.7	1385.6	1399.3	1403.9
35°	1363.5	1346.1	1339.7	1362.6	1365.4
37.5°	1314.9	1297.4	1291.9	1322.2	1329.6
40°	1266.2	1244.2	1245.1	1283.6	1294.7
42.5°	1212.0	1190.0	1200.1	1245.1	1265.3
45°	1157.9	1133.1	1151.4	1210.2	1231.3
47.5°	1100.9	1077.0	1107.3	1176.2	1202.8
50°	1039.4	1015.5	1060.5	1144.1	1174.4
52.5°	977.0	952.2	1015.5	1111.0	1138.6
55°	915.4	890.7	973.3	1069.7	1089.9
57.5°	849.3	828.2	929.2	1015.5	1035.7
60°	784.1	765.8	887.0	960.4	979.7
62.5°	717.1	703.3	835.6	897.1	908.1
65°	646.4	642.7	775.0	827.3	834.6
67.5°	575.7	584.9	712.5	746.5	747.4
70°	503.2	528.0	640.9	655.6	649.2
72.5°	429.7	472.9	561.9	554.6	549.1
75°	350.8	409.5	469.2	449.0	438.9
77.5°	279.1	345.2	370.0	341.6	326.0
80°	208.4	272.7	270.9	234.1	225.9
82.5°	140.5	190.1	162.5	132.2	115.7
85°	75.3	101.0	68.9	47.7	45.0
87.5°	28.5	23.9	18.4	16.5	16.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)