

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-65-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-65-HE-L950
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

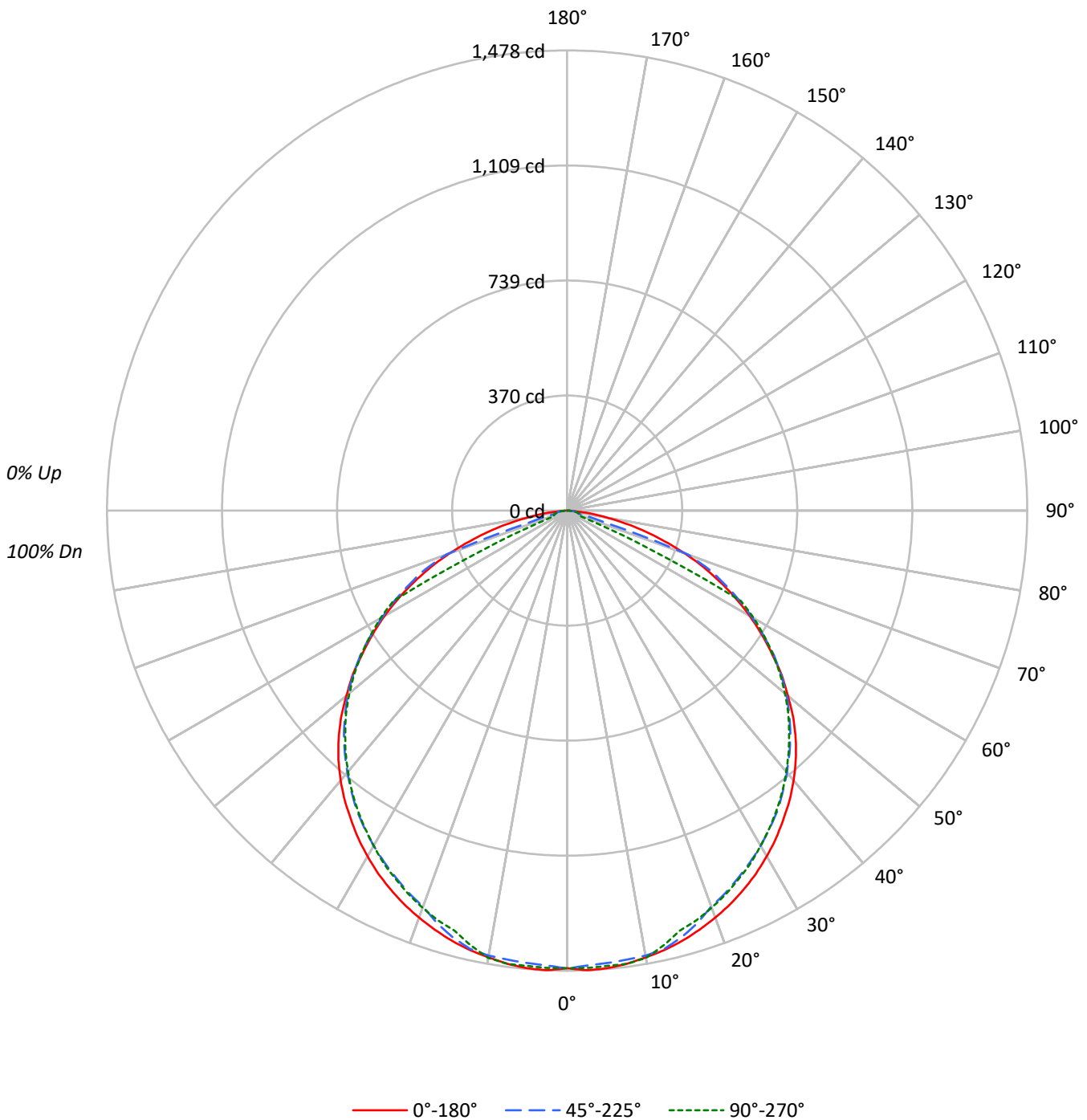
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4047.0 lumens
Efficiency: N/A
Efficacy: 214.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2637	2637	2637
5°	2657	2627	2644
10°	2654	2644	2657
15°	2657	2636	2594
20°	2656	2584	2591
25°	2657	2575	2583
30°	2656	2575	2575
35°	2652	2578	2570
40°	2651	2572	2563
45°	2634	2572	2558
50°	2583	2568	2547
55°	2513	2537	2525
60°	2432	2459	2486
65°	2303	2367	1251
70°	2108	2157	237
75°	1809	260	286
80°	1358	330	330
85°	696	348	309



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.7	3.5
10°-20°	400.1	9.9
20°-30°	608.2	15.0
30°-40°	740.9	18.3
40°-50°	784.0	19.4
50°-60°	719.1	17.8
60°-70°	485.1	12.0
70°-80°	146.6	3.6
80°-90°	23.5	0.6
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
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0°-30°	1148.0	28.4
0°-40°	1888.9	46.7
0°-60°	3392.0	83.8
0°-90°	4047.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4047.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1470	1470	1470	1470	1470	
5°	1476	1464	1459	1472	1468	140
15°	1431	1423	1419	1408	1397	404
25°	1342	1340	1301	1314	1305	619
35°	1211	1185	1177	1181	1173	758
45°	1038	1014	1014	1016	1008	799
55°	804	792	811	811	807	719
65°	543	535	558	565	295	536
75°	261	263	38	41	41	277
85°	34	17	17	15	15	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1470.1	1470.1	1470.1	1470.1	1470.1
2.5°	1477.6	1466.3	1462.6	1471.9	1470.1
5°	1475.7	1464.4	1458.8	1471.9	1468.2
7.5°	1468.2	1456.9	1455.1	1470.1	1468.2
10°	1456.9	1449.4	1451.3	1464.4	1458.8
12.5°	1445.7	1438.2	1441.9	1438.2	1430.6
15°	1430.6	1423.1	1419.4	1408.1	1396.9
17.5°	1411.9	1408.1	1389.3	1385.6	1380.0
20°	1391.2	1391.2	1353.6	1365.0	1357.4
22.5°	1368.7	1368.7	1329.3	1340.5	1333.0
25°	1342.4	1340.5	1301.1	1314.2	1304.9
27.5°	1314.2	1304.9	1272.9	1284.2	1276.7
30°	1282.3	1265.4	1242.9	1250.4	1242.9
32.5°	1248.5	1224.1	1211.0	1216.6	1209.1
35°	1211.0	1184.7	1177.2	1180.9	1173.4
37.5°	1173.4	1145.3	1137.8	1143.4	1135.9
40°	1132.1	1105.8	1098.3	1102.1	1094.6
42.5°	1087.1	1064.6	1057.0	1058.9	1053.2
45°	1038.2	1013.8	1013.8	1015.7	1008.2
47.5°	985.7	965.0	966.9	968.8	963.1
50°	925.6	910.6	920.0	921.9	912.5
52.5°	869.3	854.3	865.5	869.3	861.8
55°	803.6	792.3	811.1	811.1	807.3
57.5°	741.6	730.3	749.1	756.6	751.0
60°	677.8	666.5	685.3	698.4	692.8
62.5°	610.2	600.8	623.3	640.2	629.0
65°	542.6	535.1	557.6	565.1	294.7
67.5°	473.1	467.5	493.8	178.4	46.9
70°	401.8	396.2	411.2	45.1	45.1
72.5°	328.6	330.4	131.4	43.2	43.2
75°	261.0	262.8	37.5	41.3	41.3
77.5°	193.4	197.1	35.7	37.5	37.5
80°	131.4	95.8	31.9	31.9	31.9
82.5°	78.9	22.5	24.4	24.4	22.5
85°	33.8	16.9	16.9	15.0	15.0
87.5°	11.3	7.5	7.5	5.7	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)