

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-65-HE-L930**

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: 4RSRK-65-HE-L930
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

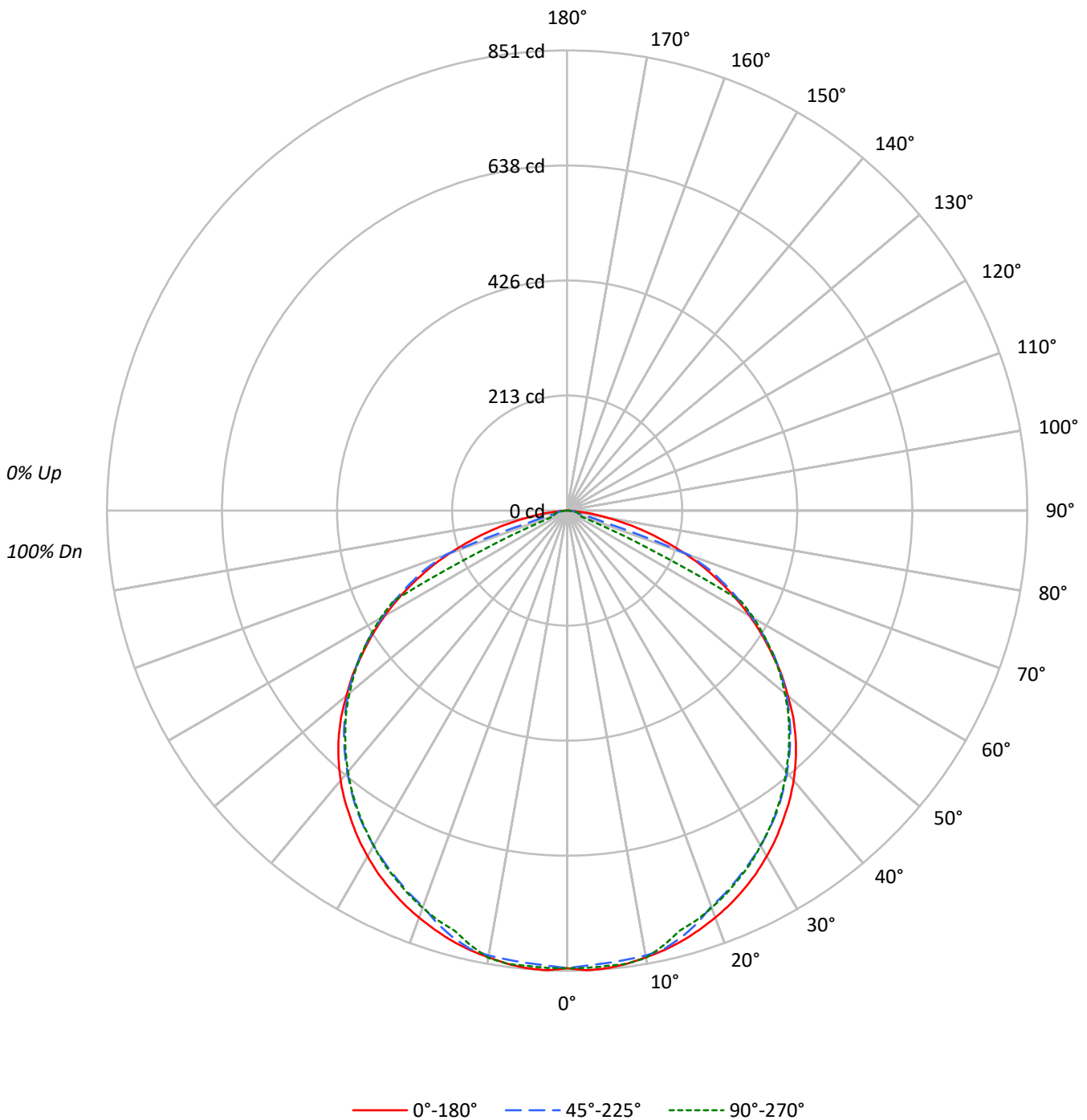
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2330.2 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' 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°	2278	2278	2278
5°	2295	2269	2283
10°	2292	2283	2295
15°	2295	2277	2241
20°	2294	2232	2238
25°	2295	2224	2231
30°	2294	2224	2224
35°	2290	2227	2219
40°	2290	2222	2214
45°	2275	2221	2209
50°	2231	2218	2200
55°	2171	2191	2181
60°	2100	2124	2147
65°	1989	2044	1081
70°	1820	1863	204
75°	1563	225	247
80°	1173	285	285
85°	602	299	266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	3.5
10°-20°	230.4	9.9
20°-30°	350.2	15.0
30°-40°	426.6	18.3
40°-50°	451.4	19.4
50°-60°	414.0	17.8
60°-70°	279.3	12.0
70°-80°	84.4	3.6
80°-90°	13.5	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
0°-30°	661.0	28.4
0°-40°	1087.5	46.7
0°-60°	1953.0	83.8
0°-90°	2330.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2330.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	846	846	846	846	846	
5°	850	843	840	848	845	81
15°	824	819	817	811	804	233
25°	773	772	749	757	751	356
35°	697	682	678	680	676	437
45°	598	584	584	585	580	460
55°	463	456	467	467	465	414
65°	312	308	321	325	170	308
75°	150	151	22	24	24	159
85°	20	10	10	9	9	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	846.4	846.4	846.4	846.4	846.4
2.5°	850.8	844.2	842.1	847.5	846.4
5°	849.7	843.2	839.9	847.5	845.3
7.5°	845.3	838.9	837.8	846.4	845.3
10°	838.9	834.5	835.6	843.2	839.9
12.5°	832.4	828.0	830.2	828.0	823.7
15°	823.7	819.4	817.2	810.8	804.3
17.5°	812.9	810.8	799.9	797.8	794.5
20°	801.0	801.0	779.4	785.9	781.6
22.5°	788.0	788.0	765.3	771.8	767.5
25°	772.9	771.8	749.1	756.7	751.3
27.5°	756.7	751.3	732.9	739.4	735.1
30°	738.3	728.6	715.6	719.9	715.6
32.5°	718.9	704.8	697.2	700.5	696.2
35°	697.2	682.1	677.8	679.9	675.6
37.5°	675.6	659.4	655.1	658.3	654.0
40°	651.9	636.7	632.4	634.6	630.2
42.5°	625.9	612.9	608.6	609.7	606.4
45°	597.8	583.7	583.7	584.8	580.5
47.5°	567.5	555.6	556.7	557.8	554.5
50°	532.9	524.3	529.7	530.8	525.4
52.5°	500.5	491.9	498.3	500.5	496.2
55°	462.7	456.2	467.0	467.0	464.8
57.5°	427.0	420.5	431.3	435.7	432.4
60°	390.2	383.8	394.6	402.1	398.9
62.5°	351.3	345.9	358.9	368.6	362.1
65°	312.4	308.1	321.0	325.4	169.7
67.5°	272.4	269.2	284.3	102.7	27.0
70°	231.3	228.1	236.8	25.9	25.9
72.5°	189.2	190.3	75.7	24.9	24.9
75°	150.3	151.3	21.6	23.8	23.8
77.5°	111.4	113.5	20.6	21.6	21.6
80°	75.7	55.1	18.4	18.4	18.4
82.5°	45.4	13.0	14.0	14.0	13.0
85°	19.5	9.7	9.7	8.6	8.6
87.5°	6.5	4.3	4.3	3.3	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)