

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-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-65-HE-L940
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

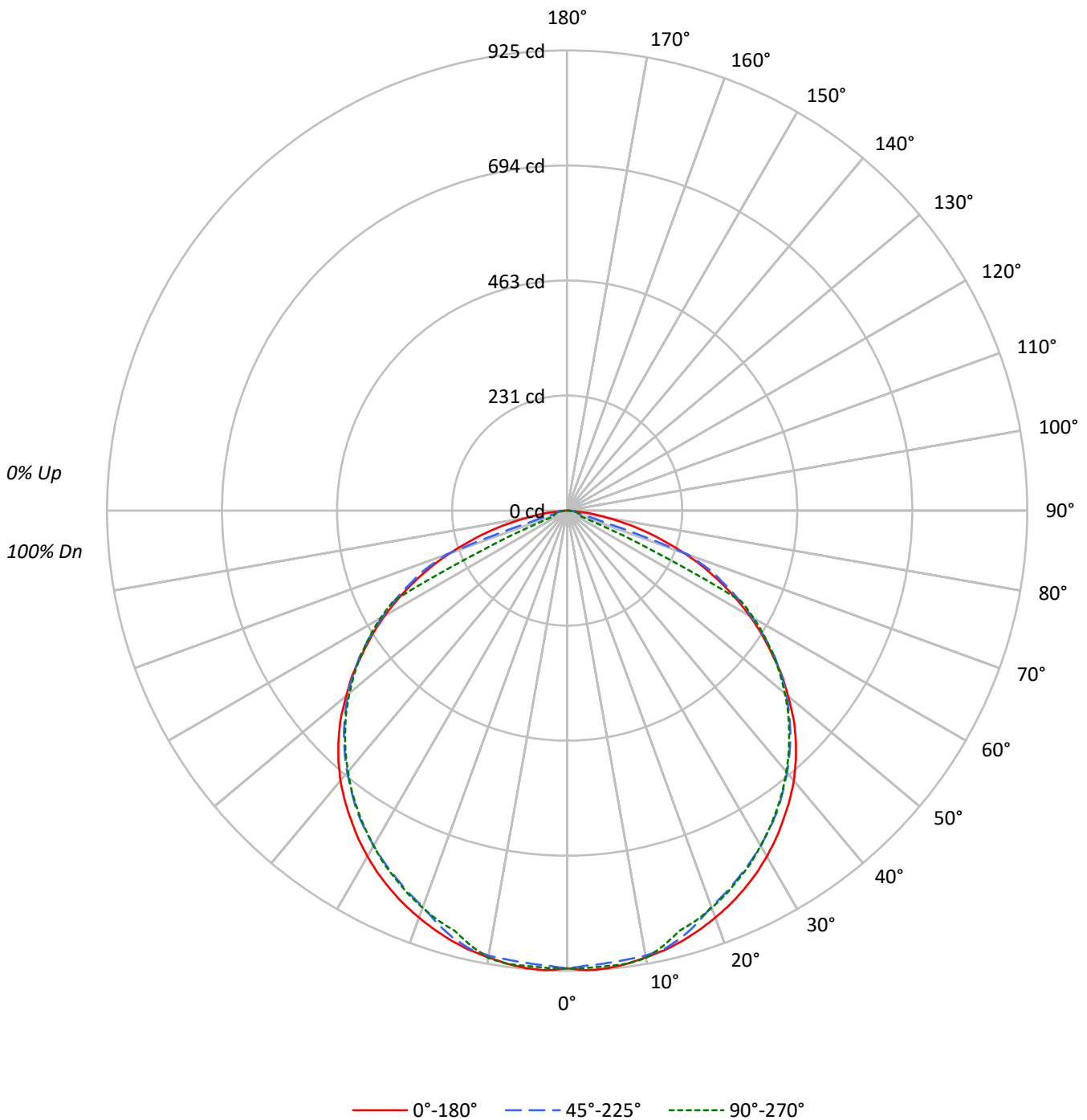
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2533.3 lumens
Efficiency: N/A
Efficacy: 134.0 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°	2476	2476	2476
5°	2495	2467	2482
10°	2492	2482	2495
15°	2495	2475	2436
20°	2494	2426	2433
25°	2495	2418	2425
30°	2494	2417	2417
35°	2490	2421	2413
40°	2490	2415	2407
45°	2473	2415	2402
50°	2426	2411	2391
55°	2360	2382	2371
60°	2284	2309	2334
65°	2162	2222	1175
70°	1979	2025	222
75°	1699	244	269
80°	1275	310	310
85°	655	327	290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	3.5
10°-20°	250.4	9.9
20°-30°	380.7	15.0
30°-40°	463.8	18.3
40°-50°	490.8	19.4
50°-60°	450.1	17.8
60°-70°	303.6	12.0
70°-80°	91.8	3.6
80°-90°	14.7	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°	718.6	28.4
0°-40°	1182.4	46.7
0°-60°	2123.3	83.8
0°-90°	2533.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2533.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	920	920	920	920	920	
5°	924	917	913	921	919	88
15°	896	891	888	881	874	253
25°	840	839	814	823	817	387
35°	758	742	737	739	734	475
45°	650	635	635	636	631	500
55°	503	496	508	508	505	450
65°	340	335	349	354	184	335
75°	163	164	24	26	26	173
85°	21	11	11	9	9	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	920.2	920.2	920.2	920.2	920.2
2.5°	924.9	917.9	915.5	921.4	920.2
5°	923.7	916.7	913.2	921.4	919.0
7.5°	919.0	912.0	910.8	920.2	919.0
10°	912.0	907.3	908.5	916.7	913.2
12.5°	904.9	900.2	902.6	900.2	895.5
15°	895.5	890.8	888.5	881.4	874.4
17.5°	883.8	881.4	869.7	867.3	863.8
20°	870.8	870.8	847.3	854.4	849.7
22.5°	856.7	856.7	832.1	839.1	834.4
25°	840.3	839.1	814.4	822.7	816.8
27.5°	822.7	816.8	796.8	803.9	799.2
30°	802.7	792.1	778.0	782.7	778.0
32.5°	781.5	766.3	758.0	761.6	756.9
35°	758.0	741.6	736.9	739.2	734.5
37.5°	734.5	716.9	712.2	715.7	711.0
40°	708.7	692.2	687.5	689.9	685.2
42.5°	680.5	666.4	661.7	662.8	659.3
45°	649.9	634.6	634.6	635.8	631.1
47.5°	617.0	604.1	605.3	606.4	602.9
50°	579.4	570.0	575.9	577.1	571.2
52.5°	544.2	534.8	541.8	544.2	539.5
55°	503.0	496.0	507.7	507.7	505.4
57.5°	464.2	457.2	468.9	473.6	470.1
60°	424.3	417.2	429.0	437.2	433.7
62.5°	381.9	376.1	390.2	400.7	393.7
65°	339.6	334.9	349.0	353.7	184.5
67.5°	296.2	292.6	309.1	111.7	29.4
70°	251.5	248.0	257.4	28.2	28.2
72.5°	205.7	206.8	82.3	27.0	27.0
75°	163.4	164.5	23.5	25.9	25.9
77.5°	121.1	123.4	22.3	23.5	23.5
80°	82.3	60.0	20.0	20.0	20.0
82.5°	49.4	14.1	15.3	15.3	14.1
85°	21.2	10.6	10.6	9.4	9.4
87.5°	7.1	4.7	4.7	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)