

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-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 (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4RSRK-TS-65-HE-L940  
Description: 4ft RSRK, 650 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

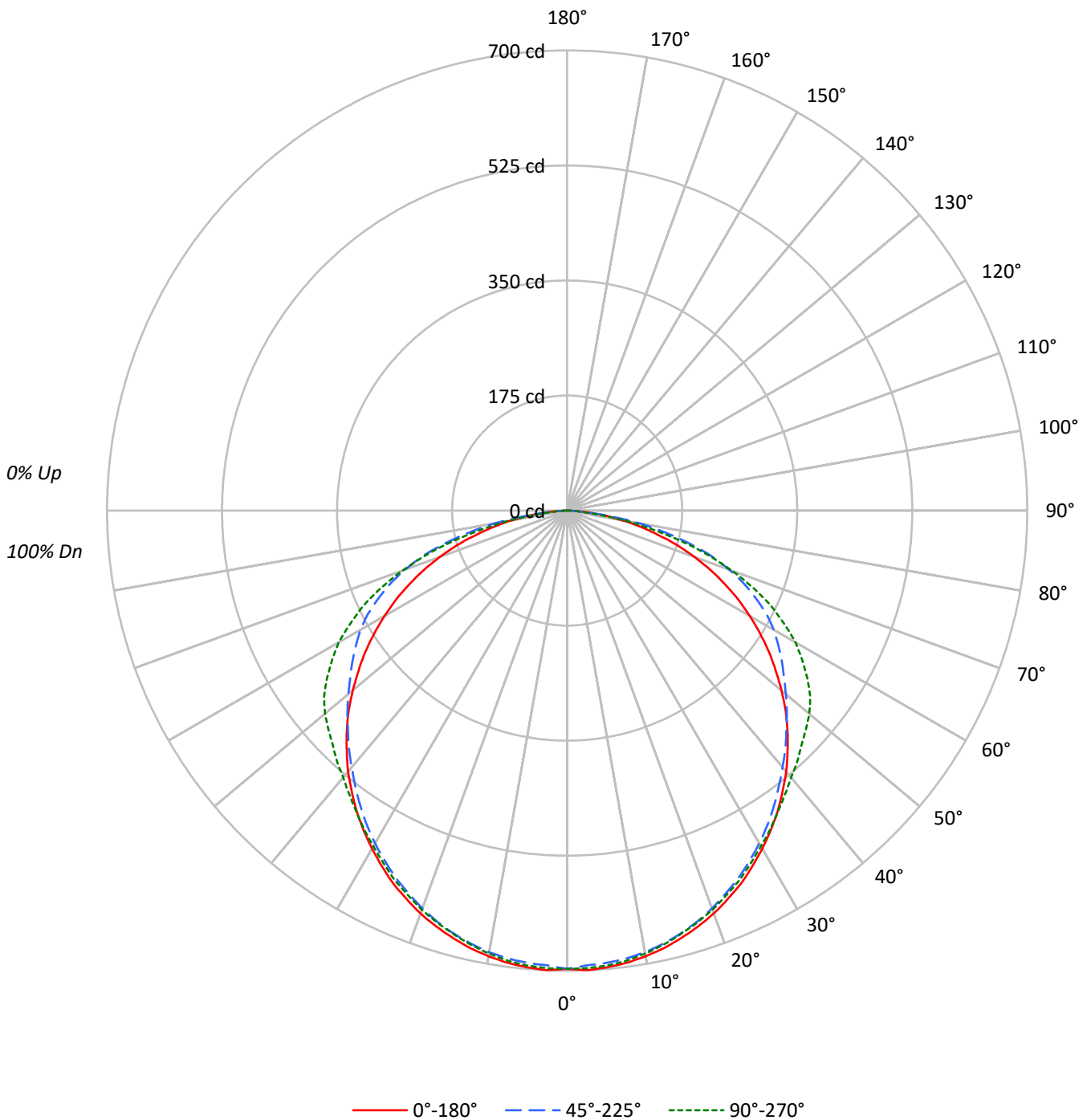
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2146.0 lumens  
Efficiency: N/A  
Efficacy: 113.5 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): 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

TEST NUMBER: P#  
CATALOG NUMBER: 4RSRK-TS-65-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°	1876	1876	1876
5°	1884	1866	1877
10°	1881	1865	1870
15°	1875	1856	1859
20°	1868	1844	1851
25°	1859	1831	1842
30°	1845	1817	1832
35°	1834	1802	1837
40°	1821	1791	1862
45°	1804	1794	1919
50°	1782	1818	2013
55°	1758	1870	2094
60°	1728	1955	2159
65°	1685	2020	2176
70°	1621	2065	2091
75°	1493	1997	1868
80°	1322	1719	1433
85°	951	871	568



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.0	3.1
10°-20°	188.9	8.8
20°-30°	286.0	13.3
30°-40°	346.9	16.2
40°-50°	371.1	17.3
50°-60°	359.7	16.8
60°-70°	301.3	14.0
70°-80°	185.1	8.6
80°-90°	40.9	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°	541.0	25.2
0°-40°	887.9	41.4
0°-60°	1618.7	75.4
0°-90°	2146.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2146.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	697	697	697	697	697	
5°	697	696	691	695	695	66
15°	673	672	666	669	667	190
25°	626	622	617	621	620	288
35°	558	551	548	558	559	349
45°	474	464	472	496	504	366
55°	375	365	398	438	446	335
65°	265	263	317	339	342	262
75°	144	168	192	184	180	153
85°	31	41	28	20	18	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	697.1	697.1	697.1	697.1	697.1
2.5°	699.7	697.8	692.5	697.1	696.7
5°	697.4	695.9	690.7	695.2	694.8
7.5°	694.0	692.5	687.3	691.8	690.7
10°	688.4	687.3	682.4	685.8	684.3
12.5°	681.6	680.5	674.9	678.6	676.7
15°	673.0	671.5	666.2	669.2	667.3
17.5°	663.2	661.3	656.1	659.1	657.2
20°	652.3	649.7	644.0	648.2	646.3
22.5°	639.2	637.3	630.5	635.0	633.1
25°	626.0	622.2	616.6	620.7	620.4
27.5°	610.2	606.4	600.8	605.7	604.9
30°	593.7	589.5	584.6	589.5	589.5
32.5°	576.4	571.1	567.3	573.0	574.9
35°	558.3	551.2	548.5	557.9	559.1
37.5°	538.4	531.2	529.0	541.4	544.4
40°	518.5	509.4	509.8	525.6	530.1
42.5°	496.3	487.3	491.4	509.8	518.1
45°	474.1	463.9	471.5	495.5	504.2
47.5°	450.8	441.0	453.4	481.6	492.5
50°	425.6	415.8	434.2	468.5	480.9
52.5°	400.0	389.9	415.8	454.9	466.2
55°	374.8	364.7	398.5	438.0	446.3
57.5°	347.8	339.1	380.5	415.8	424.1
60°	321.1	313.6	363.2	393.3	401.2
62.5°	293.6	288.0	342.1	367.3	371.8
65°	264.7	263.2	317.3	338.8	341.8
67.5°	235.7	239.5	291.8	305.7	306.0
70°	206.0	216.2	262.4	268.4	265.8
72.5°	176.0	193.6	230.1	227.1	224.8
75°	143.6	167.7	192.1	183.8	179.7
77.5°	114.3	141.4	151.5	139.9	133.5
80°	85.3	111.7	110.9	95.9	92.5
82.5°	57.5	77.8	66.5	54.1	47.4
85°	30.8	41.4	28.2	19.6	18.4
87.5°	11.7	9.8	7.5	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)