

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-50-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-50-HE-L940  
Description: 4ft RSRK, 500 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

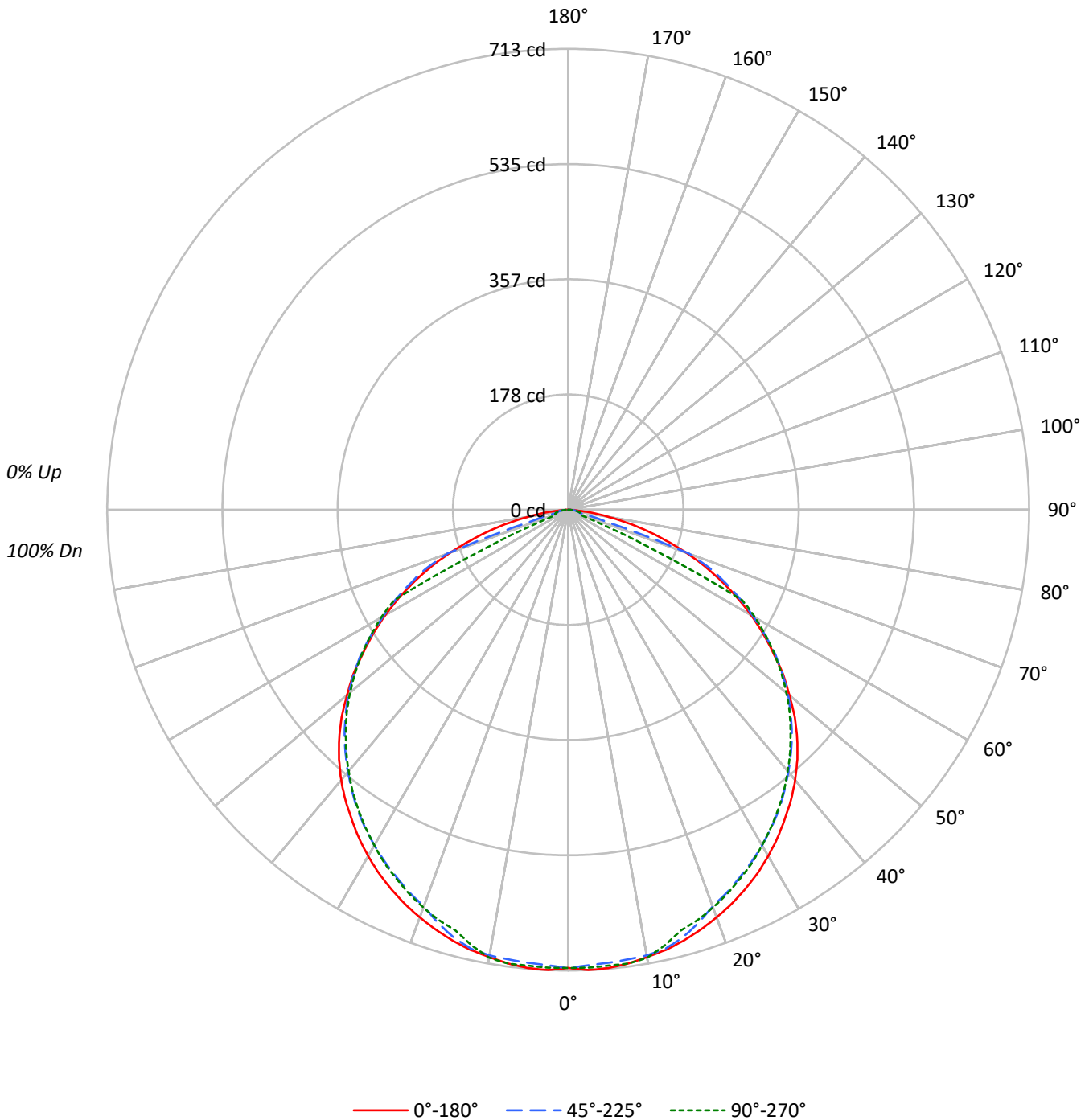
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1952.5 lumens  
Efficiency: N/A  
Efficacy: 136.5 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): 14.3  
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°	1908	1908	1908
5°	1923	1901	1913
10°	1921	1913	1923
15°	1923	1908	1877
20°	1922	1870	1875
25°	1923	1864	1869
30°	1922	1863	1863
35°	1919	1866	1860
40°	1919	1861	1855
45°	1906	1861	1851
50°	1869	1858	1843
55°	1819	1836	1827
60°	1760	1779	1799
65°	1667	1713	905
70°	1525	1561	171
75°	1309	188	207
80°	982	239	239
85°	503	250	222



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.4	3.5
10°-20°	193.0	9.9
20°-30°	293.4	15.0
30°-40°	357.4	18.3
40°-50°	378.2	19.4
50°-60°	346.9	17.8
60°-70°	234.0	12.0
70°-80°	70.7	3.6
80°-90°	11.3	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°	553.8	28.4
0°-40°	911.3	46.7
0°-60°	1636.4	83.8
0°-90°	1952.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1952.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	709	709	709	709	709	
5°	712	706	704	710	708	68
15°	690	687	685	679	674	195
25°	648	647	628	634	630	299
35°	584	572	568	570	566	366
45°	501	489	489	490	486	386
55°	388	382	391	391	390	347
65°	262	258	269	273	142	258
75°	126	127	18	20	20	133
85°	16	8	8	7	7	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	709.2	709.2	709.2	709.2	709.2
2.5°	712.9	707.4	705.6	710.1	709.2
5°	712.0	706.5	703.8	710.1	708.3
7.5°	708.3	702.9	702.0	709.2	708.3
10°	702.9	699.3	700.2	706.5	703.8
12.5°	697.5	693.8	695.7	693.8	690.2
15°	690.2	686.6	684.8	679.3	673.9
17.5°	681.2	679.3	670.3	668.5	665.8
20°	671.2	671.2	653.1	658.5	654.9
22.5°	660.3	660.3	641.3	646.7	643.1
25°	647.7	646.7	627.7	634.1	629.5
27.5°	634.1	629.5	614.1	619.6	615.9
30°	618.7	610.5	599.6	603.3	599.6
32.5°	602.3	590.6	584.2	587.0	583.3
35°	584.2	571.6	567.9	569.7	566.1
37.5°	566.1	552.5	548.9	551.6	548.0
40°	546.2	533.5	529.9	531.7	528.1
42.5°	524.5	513.6	510.0	510.9	508.1
45°	500.9	489.1	489.1	490.0	486.4
47.5°	475.5	465.6	466.5	467.4	464.7
50°	446.5	439.3	443.8	444.8	440.2
52.5°	419.4	412.1	417.6	419.4	415.8
55°	387.7	382.2	391.3	391.3	389.5
57.5°	357.8	352.3	361.4	365.0	362.3
60°	327.0	321.6	330.6	337.0	334.2
62.5°	294.4	289.9	300.7	308.9	303.5
65°	261.8	258.1	269.0	272.6	142.2
67.5°	228.3	225.5	238.2	86.1	22.6
70°	193.8	191.1	198.4	21.7	21.7
72.5°	158.5	159.4	63.4	20.8	20.8
75°	125.9	126.8	18.1	19.9	19.9
77.5°	93.3	95.1	17.2	18.1	18.1
80°	63.4	46.2	15.4	15.4	15.4
82.5°	38.0	10.9	11.8	11.8	10.9
85°	16.3	8.1	8.1	7.2	7.2
87.5°	5.4	3.6	3.6	2.7	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)