

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: **8RSRK-TS-150-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: 8RSRK-TS-150-HE-L940
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

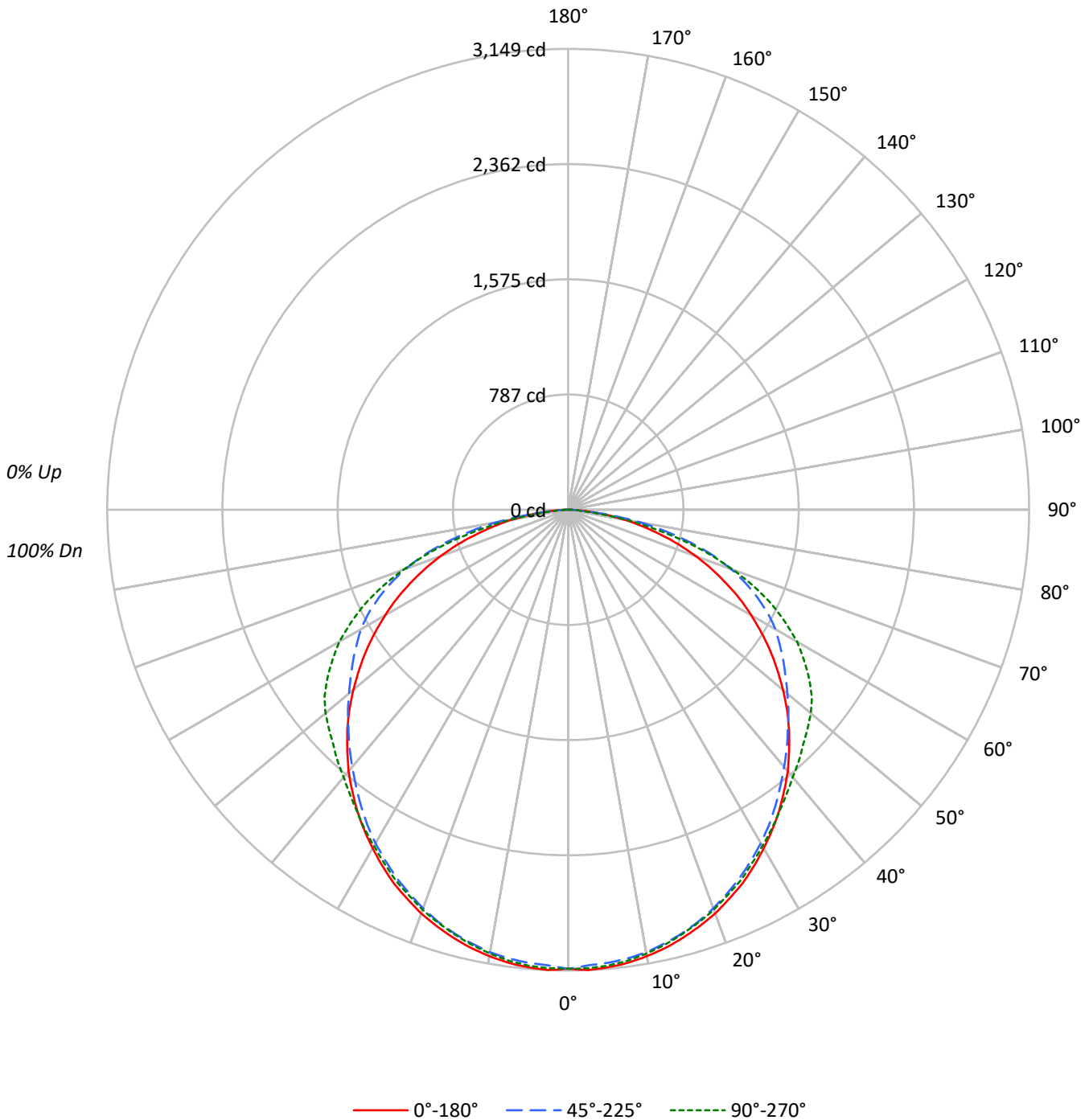
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9657.9 lumens
Efficiency: N/A
Efficacy: 218.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
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	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°	4221	4221	4221
5°	4239	4198	4223
10°	4233	4196	4207
15°	4219	4176	4183
20°	4203	4150	4165
25°	4182	4120	4145
30°	4151	4088	4122
35°	4127	4055	4133
40°	4098	4030	4190
45°	4060	4037	4317
50°	4009	4091	4530
55°	3957	4207	4711
60°	3888	4398	4858
65°	3792	4547	4897
70°	3648	4646	4706
75°	3360	4495	4205
80°	2976	3867	3225
85°	2141	1959	1280



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.1	3.1
10°-20°	850.1	8.8
20°-30°	1287.3	13.3
30°-40°	1561.3	16.2
40°-50°	1670.3	17.3
50°-60°	1618.9	16.8
60°-70°	1355.8	14.0
70°-80°	833.1	8.6
80°-90°	184.0	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°	2434.5	25.2
0°-40°	3995.8	41.4
0°-60°	7285.0	75.4
0°-90°	9657.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9657.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3137	3137	3137	3137	3137	
5°	3139	3132	3108	3128	3127	298
15°	3029	3022	2998	3012	3003	855
25°	2817	2800	2775	2794	2792	1297
35°	2513	2480	2469	2511	2516	1571
45°	2134	2088	2122	2230	2269	1645
55°	1687	1641	1794	1971	2008	1506
65°	1191	1184	1428	1524	1538	1178
75°	646	755	865	827	809	688
85°	139	186	127	88	83	175
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3137.0	3137.0	3137.0	3137.0	3137.0
2.5°	3148.8	3140.4	3116.7	3137.0	3135.3
5°	3138.7	3131.9	3108.2	3128.5	3126.8
7.5°	3123.5	3116.7	3093.0	3113.3	3108.2
10°	3098.1	3093.0	3071.0	3086.2	3079.5
12.5°	3067.6	3062.5	3037.2	3054.1	3045.6
15°	3028.7	3021.9	2998.2	3011.8	3003.3
17.5°	2984.7	2976.2	2952.6	2966.1	2957.6
20°	2935.6	2923.8	2898.4	2917.0	2908.6
22.5°	2876.4	2868.0	2837.5	2857.8	2849.3
25°	2817.2	2800.3	2774.9	2793.5	2791.8
27.5°	2746.1	2729.2	2703.8	2725.8	2722.4
30°	2671.7	2653.1	2631.1	2653.1	2653.1
32.5°	2593.9	2570.2	2553.2	2578.6	2587.1
35°	2512.6	2480.5	2468.6	2510.9	2516.0
37.5°	2423.0	2390.8	2380.7	2436.5	2450.0
40°	2333.3	2292.7	2294.4	2365.4	2385.7
42.5°	2233.5	2192.8	2211.5	2294.4	2331.6
45°	2133.6	2087.9	2121.8	2230.1	2269.0
47.5°	2028.7	1984.7	2040.6	2167.5	2216.5
50°	1915.4	1871.4	1954.3	2108.2	2164.1
52.5°	1800.3	1754.6	1871.4	2047.3	2098.1
55°	1686.9	1641.3	1793.5	1971.2	2008.4
57.5°	1565.1	1526.2	1712.3	1871.4	1908.6
60°	1445.0	1411.1	1634.5	1769.8	1805.4
62.5°	1321.5	1296.1	1539.7	1653.1	1673.4
65°	1191.2	1184.4	1428.1	1524.5	1538.0
67.5°	1060.9	1077.8	1313.0	1375.6	1377.3
70°	927.2	972.9	1181.0	1208.1	1196.3
72.5°	791.9	871.4	1035.5	1022.0	1011.8
75°	646.3	754.6	864.6	827.4	808.8
77.5°	514.4	636.2	681.9	629.4	600.7
80°	384.1	502.5	499.1	431.5	416.2
82.5°	258.9	350.2	299.5	243.6	213.2
85°	138.7	186.1	126.9	88.0	82.9
87.5°	52.5	44.0	33.8	30.5	30.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)