

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-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-150-HE-L940
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

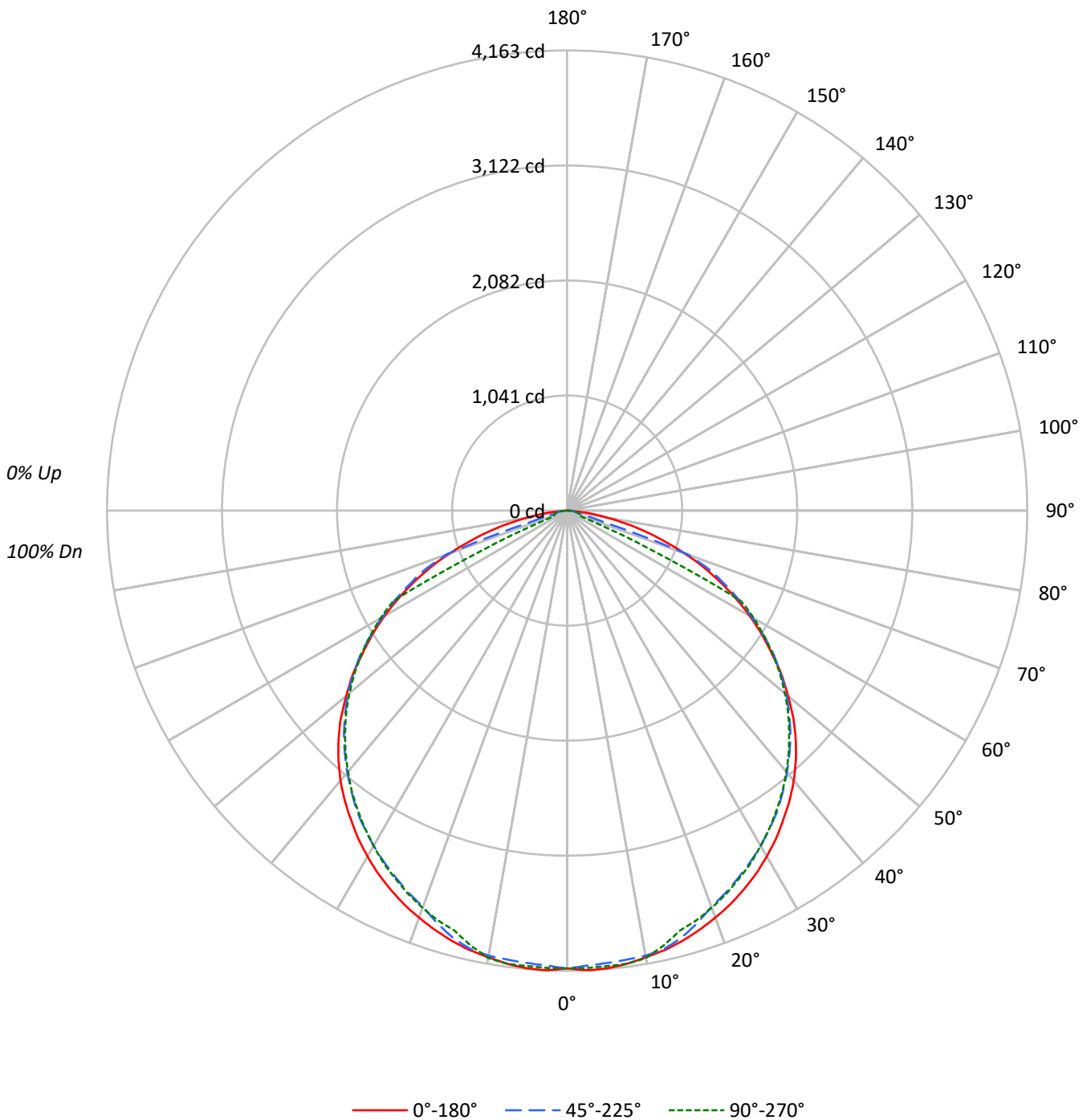
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11401.0 lumens
Efficiency: N/A
Efficacy: 257.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
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

TEST NUMBER: P#
CATALOG NUMBER: 8RSRK-150-HE-L940

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-150-HE-L940

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°	5572	5572	5572
5°	5615	5550	5586
10°	5607	5586	5615
15°	5614	5570	5481
20°	5612	5460	5475
25°	5614	5441	5457
30°	5613	5440	5440
35°	5603	5447	5430
40°	5602	5434	5416
45°	5565	5435	5404
50°	5458	5425	5381
55°	5310	5360	5335
60°	5138	5195	5252
65°	4866	5001	2643
70°	4453	4557	499
75°	3822	550	605
80°	2868	697	697
85°	1470	733	653



TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-150-HE-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.4	3.5
10°-20°	1127.1	9.9
20°-30°	1713.4	15.0
30°-40°	2087.2	18.3
40°-50°	2208.6	19.4
50°-60°	2025.8	17.8
60°-70°	1366.4	12.0
70°-80°	413.0	3.6
80°-90°	66.1	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°	3234.0	28.4
0°-40°	5321.2	46.7
0°-60°	9555.5	83.8
0°-90°	11401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11401.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4141	4141	4141	4141	4141	
5°	4157	4126	4110	4147	4136	395
15°	4030	4009	3998	3967	3935	1138
25°	3782	3776	3665	3702	3676	1744
35°	3411	3338	3316	3327	3306	2136
45°	2925	2856	2856	2861	2840	2252
55°	2264	2232	2285	2285	2274	2026
65°	1528	1507	1571	1592	830	1509
75°	735	740	106	116	116	779
85°	95	48	48	42	42	145
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-150-HE-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4141.4	4141.4	4141.4	4141.4	4141.4
2.5°	4162.6	4130.7	4120.3	4146.6	4141.4
5°	4157.2	4125.5	4109.5	4146.6	4136.1
7.5°	4136.1	4104.3	4099.1	4141.4	4136.1
10°	4104.3	4083.2	4088.4	4125.5	4109.5
12.5°	4072.6	4051.4	4062.0	4051.4	4030.3
15°	4030.3	4009.1	3998.5	3966.8	3935.1
17.5°	3977.4	3966.8	3913.9	3903.3	3887.5
20°	3919.1	3919.1	3813.4	3845.2	3824.1
22.5°	3855.7	3855.7	3744.7	3776.4	3755.2
25°	3781.8	3776.4	3665.3	3702.4	3676.0
27.5°	3702.4	3676.0	3586.0	3617.7	3596.6
30°	3612.5	3564.8	3501.4	3522.5	3501.4
32.5°	3517.2	3448.5	3411.4	3427.3	3406.2
35°	3411.4	3337.5	3316.3	3326.8	3305.6
37.5°	3305.6	3226.3	3205.2	3221.0	3199.8
40°	3189.4	3115.2	3094.0	3104.7	3083.6
42.5°	3062.4	2999.0	2977.8	2983.0	2967.1
45°	2924.8	2856.1	2856.1	2861.3	2840.2
47.5°	2776.7	2718.6	2723.9	2729.2	2713.2
50°	2607.5	2565.1	2591.6	2597.0	2570.5
52.5°	2448.9	2406.6	2438.2	2448.9	2427.7
55°	2263.7	2232.0	2284.9	2284.9	2274.3
57.5°	2089.2	2057.4	2110.4	2131.6	2115.6
60°	1909.3	1877.7	1930.5	1967.5	1951.6
62.5°	1718.9	1692.5	1756.0	1803.5	1771.9
65°	1528.5	1507.3	1570.8	1591.9	830.3
67.5°	1332.8	1316.9	1391.1	502.5	132.2
70°	1131.9	1116.1	1158.4	126.9	126.9
72.5°	925.7	930.9	370.2	121.7	121.7
75°	735.2	740.5	105.8	116.4	116.4
77.5°	544.8	555.3	100.6	105.8	105.8
80°	370.2	269.8	89.9	89.9	89.9
82.5°	222.1	63.5	68.7	68.7	63.5
85°	95.2	47.5	47.5	42.3	42.3
87.5°	31.7	21.2	21.2	15.9	15.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)