

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-200-HE-L935**

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-200-HE-L935
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

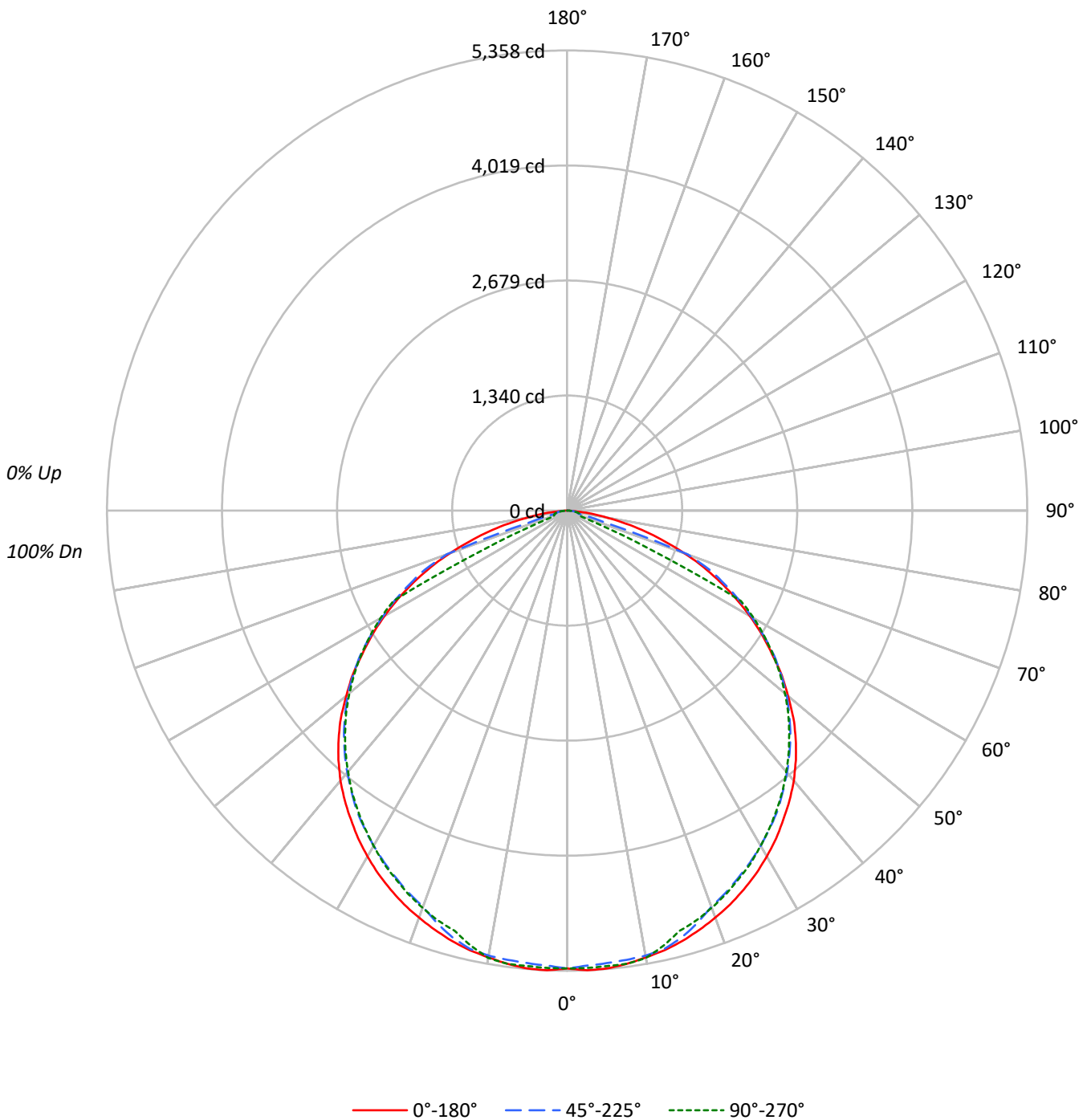
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14674.3 lumens
Efficiency: N/A
Efficacy: 239.8 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): 61.2
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	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°	7172	7172	7172
5°	7227	7144	7190
10°	7217	7189	7227
15°	7226	7169	7055
20°	7223	7028	7048
25°	7226	7004	7024
30°	7224	7002	7002
35°	7212	7011	6989
40°	7210	6995	6971
45°	7163	6995	6956
50°	7025	6982	6925
55°	6835	6899	6867
60°	6613	6686	6759
65°	6263	6437	3402
70°	5731	5866	643
75°	4919	708	779
80°	3692	896	896
85°	1891	945	841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.4	3.5
10°-20°	1450.7	9.9
20°-30°	2205.4	15.0
30°-40°	2686.4	18.3
40°-50°	2842.7	19.4
50°-60°	2607.4	17.8
60°-70°	1758.7	12.0
70°-80°	531.6	3.6
80°-90°	85.0	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°	4162.5	28.4
0°-40°	6848.9	46.7
0°-60°	12299.0	83.8
0°-90°	14674.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14674.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5330	5330	5330	5330	5330	
5°	5351	5310	5289	5337	5324	508
15°	5187	5160	5147	5106	5065	1464
25°	4868	4861	4718	4765	4731	2244
35°	4391	4296	4268	4282	4255	2750
45°	3764	3676	3676	3683	3656	2898
55°	2914	2873	2941	2941	2927	2608
65°	1967	1940	2022	2049	1069	1942
75°	946	953	136	150	150	1003
85°	122	61	61	54	54	187
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5330.5	5330.5	5330.5	5330.5	5330.5
2.5°	5357.7	5316.7	5303.2	5337.2	5330.5
5°	5350.8	5310.0	5289.4	5337.2	5323.6
7.5°	5323.6	5282.7	5276.0	5330.5	5323.6
10°	5282.7	5255.5	5262.2	5310.0	5289.4
12.5°	5241.9	5214.6	5228.3	5214.6	5187.4
15°	5187.4	5160.2	5146.6	5105.7	5064.9
17.5°	5119.3	5105.7	5037.6	5024.0	5003.7
20°	5044.4	5044.4	4908.2	4949.2	4922.0
22.5°	4962.7	4962.7	4819.8	4860.6	4833.4
25°	4867.5	4860.6	4717.6	4765.3	4731.4
27.5°	4765.3	4731.4	4615.6	4656.4	4629.2
30°	4649.7	4588.3	4506.7	4533.9	4506.7
32.5°	4527.0	4438.6	4390.8	4411.3	4384.1
35°	4390.8	4295.7	4268.5	4281.9	4254.7
37.5°	4254.7	4152.7	4125.4	4145.8	4118.5
40°	4105.1	4009.6	3982.4	3996.2	3968.9
42.5°	3941.7	3860.0	3832.8	3839.5	3819.0
45°	3764.5	3676.1	3676.1	3682.8	3655.6
47.5°	3573.9	3499.1	3506.0	3512.7	3492.2
50°	3356.1	3301.6	3335.7	3342.6	3308.5
52.5°	3152.0	3097.6	3138.2	3152.0	3124.8
55°	2913.7	2872.8	2940.9	2940.9	2927.3
57.5°	2689.1	2648.1	2716.3	2743.6	2723.1
60°	2457.5	2416.8	2484.7	2532.4	2511.9
62.5°	2212.4	2178.4	2260.1	2321.3	2280.6
65°	1967.3	1940.1	2021.8	2049.0	1068.7
67.5°	1715.5	1695.0	1790.5	646.8	170.1
70°	1456.8	1436.5	1491.0	163.4	163.4
72.5°	1191.4	1198.1	476.5	156.7	156.7
75°	946.3	953.1	136.2	149.8	149.8
77.5°	701.3	714.7	129.4	136.2	136.2
80°	476.5	347.3	115.6	115.6	115.6
82.5°	285.9	81.7	88.4	88.4	81.7
85°	122.5	61.2	61.2	54.5	54.5
87.5°	40.8	27.2	27.2	20.5	20.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)