

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-200-HE-L935**

Issue Date: 3/3/2020



**Test Information**

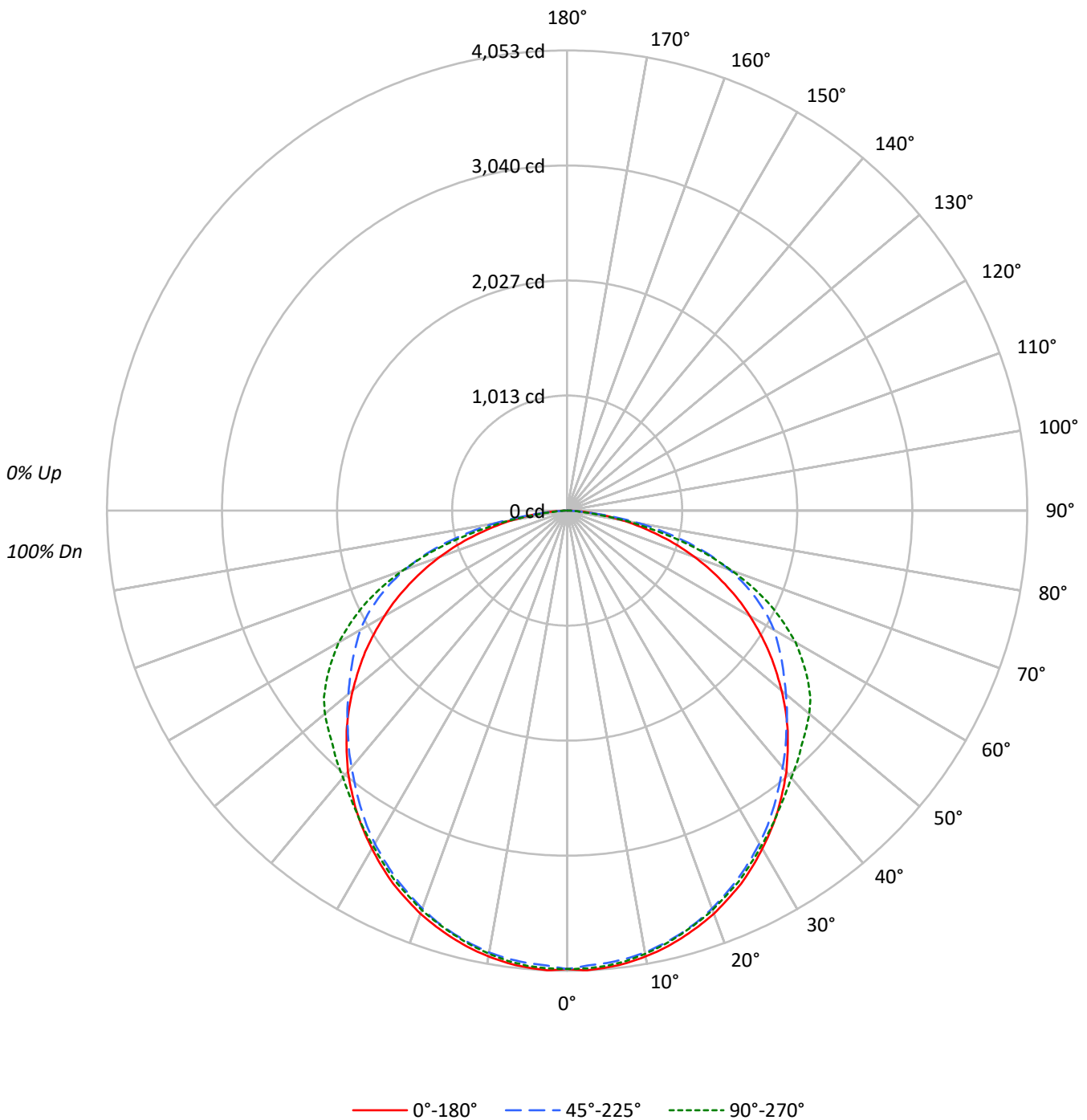
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TS-200-HE-L935  
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12430.9 lumens  
Efficiency: N/A  
Efficacy: 203.1 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): 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	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°	5433	5433	5433
5°	5456	5403	5436
10°	5448	5400	5415
15°	5430	5376	5385
20°	5410	5342	5360
25°	5383	5302	5335
30°	5343	5261	5305
35°	5312	5219	5319
40°	5275	5187	5393
45°	5225	5197	5557
50°	5160	5265	5830
55°	5093	5415	6064
60°	5005	5661	6253
65°	4881	5852	6302
70°	4695	5980	6057
75°	4325	5785	5412
80°	3831	4978	4151
85°	2757	2521	1647



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.4	3.1
10°-20°	1094.2	8.8
20°-30°	1656.9	13.3
30°-40°	2009.6	16.2
40°-50°	2149.8	17.3
50°-60°	2083.7	16.8
60°-70°	1745.1	14.0
70°-80°	1072.3	8.6
80°-90°	236.8	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°	3133.5	25.2
0°-40°	5143.1	41.4
0°-60°	9376.6	75.4
0°-90°	12430.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12430.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4038	4038	4038	4038	4038	
5°	4040	4031	4001	4027	4025	384
15°	3898	3890	3859	3876	3866	1100
25°	3626	3604	3572	3596	3593	1670
35°	3234	3193	3177	3232	3238	2023
45°	2746	2687	2731	2870	2920	2118
55°	2171	2112	2308	2537	2585	1938
65°	1533	1524	1838	1962	1980	1516
75°	832	971	1113	1065	1041	885
85°	179	240	163	113	107	225
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4037.7	4037.7	4037.7	4037.7	4037.7
2.5°	4052.9	4042.0	4011.5	4037.7	4035.5
5°	4039.8	4031.1	4000.6	4026.8	4024.6
7.5°	4020.2	4011.5	3981.0	4007.2	4000.6
10°	3987.6	3981.0	3952.7	3972.3	3963.6
12.5°	3948.4	3941.8	3909.2	3930.9	3920.1
15°	3898.3	3889.6	3859.1	3876.5	3865.6
17.5°	3841.7	3830.8	3800.3	3817.7	3806.8
20°	3778.5	3763.2	3730.6	3754.5	3743.6
22.5°	3702.3	3691.4	3652.2	3678.3	3667.4
25°	3626.0	3604.3	3571.6	3595.6	3593.4
27.5°	3534.6	3512.8	3480.1	3508.4	3504.1
30°	3438.8	3414.8	3386.5	3414.8	3414.8
32.5°	3338.6	3308.1	3286.3	3319.0	3329.9
35°	3234.0	3192.7	3177.4	3231.9	3238.4
37.5°	3118.6	3077.2	3064.2	3136.0	3153.5
40°	3003.2	2950.9	2953.1	3044.6	3070.7
42.5°	2874.7	2822.4	2846.4	2953.1	3001.0
45°	2746.2	2687.4	2731.0	2870.3	2920.4
47.5°	2611.2	2554.6	2626.4	2789.8	2852.9
50°	2465.3	2408.7	2515.4	2713.5	2785.4
52.5°	2317.2	2258.4	2408.7	2635.1	2700.5
55°	2171.3	2112.5	2308.5	2537.1	2585.1
57.5°	2014.5	1964.4	2203.9	2408.7	2456.6
60°	1859.8	1816.3	2103.8	2278.0	2323.7
62.5°	1700.9	1668.2	1981.8	2127.7	2153.9
65°	1533.2	1524.5	1838.1	1962.2	1979.6
67.5°	1365.5	1387.3	1690.0	1770.6	1772.7
70°	1193.4	1252.2	1520.1	1555.0	1539.7
72.5°	1019.2	1121.6	1332.8	1315.4	1302.3
75°	831.9	971.3	1112.9	1064.9	1041.0
77.5°	662.1	818.9	877.7	810.1	773.1
80°	494.4	646.8	642.5	555.3	535.7
82.5°	333.2	450.8	385.5	313.6	274.4
85°	178.6	239.6	163.3	113.2	106.7
87.5°	67.5	56.6	43.6	39.2	39.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)