

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-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-200-HE-L940
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

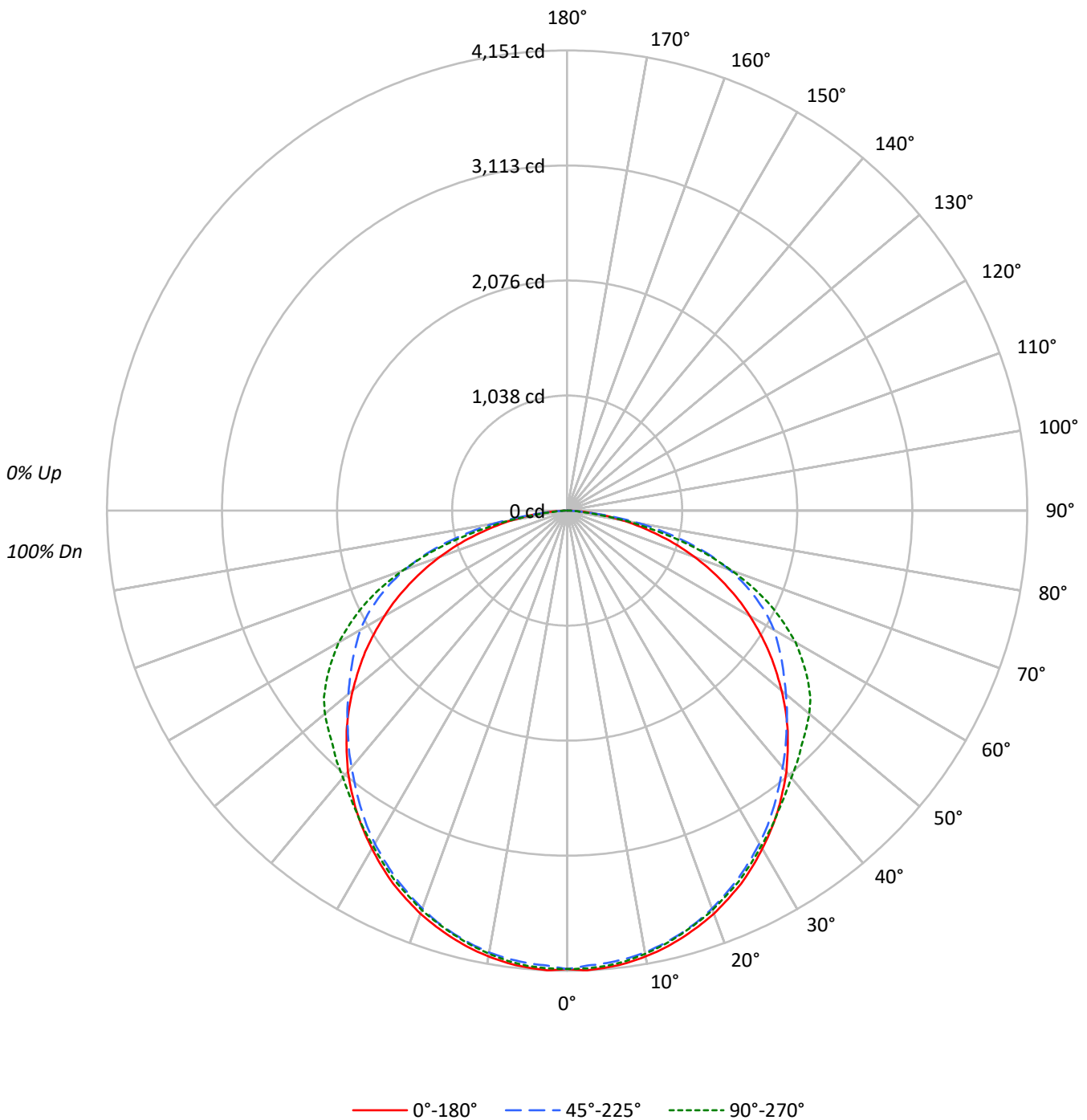
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12731.9 lumens
Efficiency: N/A
Efficacy: 208.0 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°	5564	5564	5564
5°	5588	5534	5567
10°	5580	5531	5546
15°	5562	5506	5515
20°	5541	5471	5490
25°	5514	5431	5464
30°	5472	5389	5434
35°	5441	5345	5448
40°	5403	5312	5524
45°	5352	5322	5692
50°	5285	5393	5972
55°	5217	5546	6211
60°	5126	5798	6405
65°	4999	5994	6455
70°	4808	6125	6204
75°	4430	5925	5543
80°	3923	5098	4252
85°	2824	2583	1687



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.6	3.1
10°-20°	1120.7	8.8
20°-30°	1697.0	13.3
30°-40°	2058.3	16.2
40°-50°	2201.9	17.3
50°-60°	2134.2	16.8
60°-70°	1787.4	14.0
70°-80°	1098.3	8.6
80°-90°	242.6	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°	3209.4	25.2
0°-40°	5267.7	41.4
0°-60°	9603.7	75.4
0°-90°	12731.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12731.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4136	4136	4136	4136	4136	
5°	4138	4129	4098	4124	4122	393
15°	3993	3984	3952	3970	3959	1127
25°	3714	3692	3658	3683	3680	1710
35°	3312	3270	3254	3310	3317	2071
45°	2813	2752	2797	2940	2991	2169
55°	2224	2164	2364	2599	2648	1985
65°	1570	1561	1883	2010	2028	1553
75°	852	995	1140	1091	1066	907
85°	183	245	167	116	109	230
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4135.5	4135.5	4135.5	4135.5	4135.5
2.5°	4151.1	4139.9	4108.7	4135.5	4133.2
5°	4137.7	4128.8	4097.5	4124.3	4122.1
7.5°	4117.6	4108.7	4077.5	4104.2	4097.5
10°	4084.1	4077.5	4048.5	4068.5	4059.6
12.5°	4044.0	4037.3	4003.8	4026.2	4015.0
15°	3992.7	3983.8	3952.5	3970.4	3959.2
17.5°	3934.7	3923.5	3892.3	3910.2	3899.0
20°	3870.0	3854.4	3820.9	3845.5	3834.3
22.5°	3791.9	3780.8	3740.6	3767.4	3756.3
25°	3713.9	3691.6	3658.1	3682.6	3680.4
27.5°	3620.2	3597.9	3564.4	3593.4	3589.0
30°	3522.0	3497.5	3468.5	3497.5	3497.5
32.5°	3419.4	3388.2	3365.9	3399.4	3410.5
35°	3312.4	3270.0	3254.4	3310.1	3316.8
37.5°	3194.2	3151.8	3138.4	3212.0	3229.8
40°	3075.9	3022.4	3024.6	3118.3	3145.1
42.5°	2944.3	2890.8	2915.3	3024.6	3073.7
45°	2812.7	2752.5	2797.1	2939.9	2991.2
47.5°	2674.4	2616.4	2690.1	2857.3	2922.0
50°	2525.0	2467.0	2576.3	2779.3	2852.9
52.5°	2373.3	2313.1	2467.0	2699.0	2765.9
55°	2223.9	2163.6	2364.4	2598.6	2647.7
57.5°	2063.3	2012.0	2257.3	2467.0	2516.1
60°	1904.9	1860.3	2154.7	2333.2	2380.0
62.5°	1742.1	1708.6	2029.8	2179.3	2206.0
65°	1570.3	1561.4	1882.6	2009.7	2027.6
67.5°	1398.6	1420.9	1730.9	1813.4	1815.7
70°	1222.3	1282.6	1556.9	1592.6	1577.0
72.5°	1043.9	1148.7	1365.1	1347.3	1333.9
75°	852.1	994.8	1139.8	1090.7	1066.2
77.5°	678.1	838.7	898.9	829.8	791.8
80°	506.3	662.5	658.0	568.8	548.7
82.5°	341.3	461.7	394.8	321.2	281.1
85°	182.9	245.4	167.3	116.0	109.3
87.5°	69.1	58.0	44.6	40.2	40.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)