

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-L950**

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-L950
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

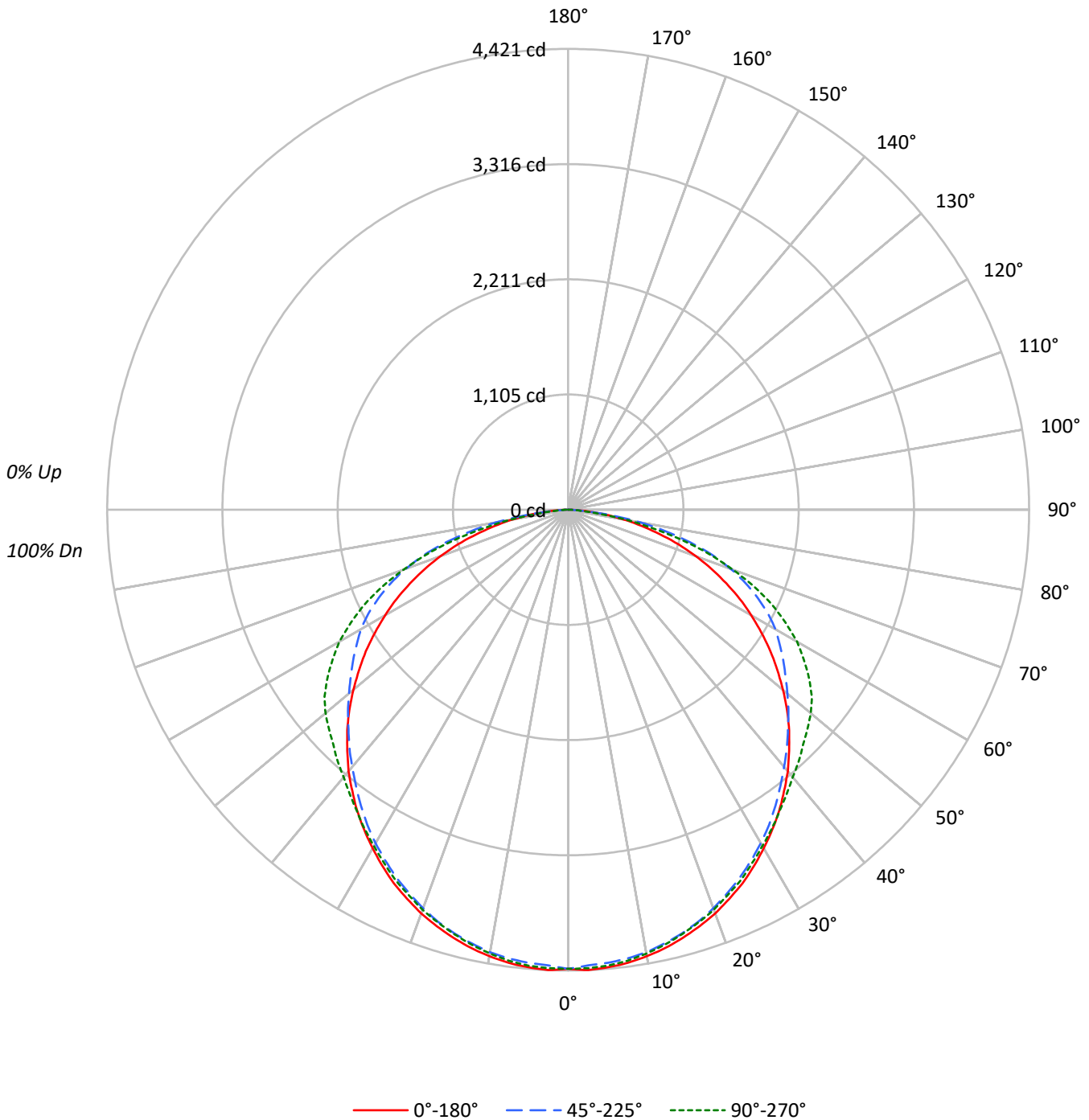
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13559.7 lumens
Efficiency: N/A
Efficacy: 221.6 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	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					100			
1	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83					83			
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68					68			
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56					56			
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48					48			
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41					41			
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36					36			
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31					31			
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28					28			
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25					25			
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22					22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5926	5926	5926
5°	5952	5894	5929
10°	5943	5891	5907
15°	5923	5864	5874
20°	5901	5827	5847
25°	5872	5784	5819
30°	5828	5739	5787
35°	5794	5693	5802
40°	5754	5658	5883
45°	5700	5668	6062
50°	5629	5743	6360
55°	5556	5907	6615
60°	5459	6175	6821
65°	5324	6383	6875
70°	5121	6523	6607
75°	4718	6311	5903
80°	4179	5430	4528
85°	3007	2751	1797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.1	3.1
10°-20°	1193.6	8.8
20°-30°	1807.4	13.3
30°-40°	2192.1	16.2
40°-50°	2345.0	17.3
50°-60°	2272.9	16.8
60°-70°	1903.6	14.0
70°-80°	1169.7	8.6
80°-90°	258.3	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°	3418.0	25.2
0°-40°	5610.1	41.4
0°-60°	10228.1	75.4
0°-90°	13559.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13559.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4404	4404	4404	4404	4404	
5°	4407	4397	4364	4392	4390	419
15°	4252	4243	4210	4228	4217	1200
25°	3955	3932	3896	3922	3920	1822
35°	3528	3483	3466	3525	3532	2206
45°	2996	2932	2979	3131	3186	2310
55°	2368	2304	2518	2768	2820	2114
65°	1672	1663	2005	2140	2159	1654
75°	908	1060	1214	1162	1136	966
85°	195	261	178	124	116	245
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4404.3	4404.3	4404.3	4404.3	4404.3
2.5°	4420.9	4409.1	4375.8	4404.3	4401.9
5°	4406.7	4397.2	4363.9	4392.4	4390.1
7.5°	4385.3	4375.8	4342.5	4371.0	4363.9
10°	4349.7	4342.5	4311.7	4333.0	4323.5
12.5°	4306.9	4299.8	4264.1	4287.9	4276.0
15°	4252.3	4242.8	4209.5	4228.5	4216.6
17.5°	4190.5	4178.6	4145.4	4164.4	4152.5
20°	4121.6	4105.0	4069.3	4095.5	4083.6
22.5°	4038.5	4026.6	3983.8	4012.3	4000.5
25°	3955.3	3931.6	3895.9	3922.1	3919.7
27.5°	3855.5	3831.8	3796.2	3827.0	3822.3
30°	3751.0	3724.9	3694.0	3724.9	3724.9
32.5°	3641.7	3608.5	3584.7	3620.4	3632.2
35°	3527.7	3482.6	3466.0	3525.3	3532.5
37.5°	3401.8	3356.7	3342.4	3420.8	3439.8
40°	3275.9	3218.9	3221.3	3321.0	3349.6
42.5°	3135.8	3078.7	3104.9	3221.3	3273.5
45°	2995.6	2931.5	2979.0	3131.0	3185.6
47.5°	2848.3	2786.5	2864.9	3043.1	3112.0
50°	2689.1	2627.4	2743.8	2960.0	3038.4
52.5°	2527.6	2463.5	2627.4	2874.4	2945.7
55°	2368.4	2304.3	2518.1	2767.5	2819.8
57.5°	2197.4	2142.8	2404.1	2627.4	2679.6
60°	2028.7	1981.2	2294.8	2484.8	2534.7
62.5°	1855.3	1819.7	2161.8	2320.9	2349.4
65°	1672.4	1662.9	2005.0	2140.4	2159.4
67.5°	1489.5	1513.2	1843.4	1931.3	1933.7
70°	1301.8	1366.0	1658.1	1696.2	1679.5
72.5°	1111.8	1223.4	1453.8	1434.8	1420.6
75°	907.5	1059.5	1213.9	1161.7	1135.5
77.5°	722.2	893.2	957.4	883.7	843.3
80°	539.3	705.5	700.8	605.8	584.4
82.5°	363.5	491.7	420.5	342.1	299.3
85°	194.8	261.3	178.2	123.5	116.4
87.5°	73.6	61.8	47.5	42.8	42.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)