

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: **6RSRK-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: 6RSRK-TS-200-HE-L950
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

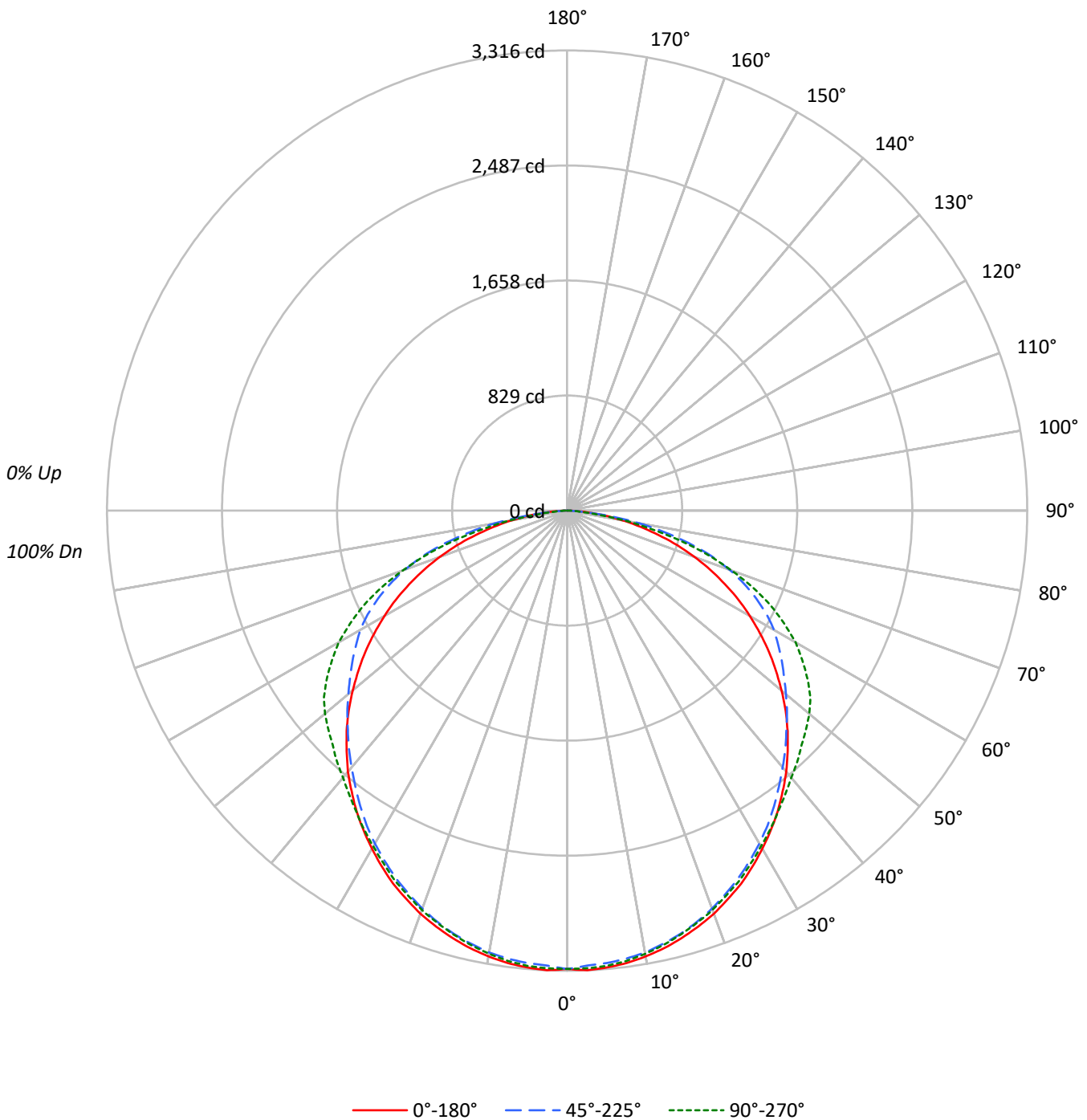
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10169.7 lumens
Efficiency: N/A
Efficacy: 166.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 6' 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	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	6310	5903
80°	4178	5430	4528
85°	3007	2750	1797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.8	3.1
10°-20°	895.2	8.8
20°-30°	1355.5	13.3
30°-40°	1644.1	16.2
40°-50°	1758.8	17.3
50°-60°	1704.7	16.8
60°-70°	1427.7	14.0
70°-80°	877.3	8.6
80°-90°	193.7	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°	2563.5	25.2
0°-40°	4207.6	41.4
0°-60°	7671.1	75.4
0°-90°	10169.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10169.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3303	3303	3303	3303	3303	
5°	3305	3298	3273	3294	3292	314
15°	3189	3182	3157	3171	3162	900
25°	2966	2949	2922	2942	2940	1366
35°	2646	2612	2600	2644	2649	1655
45°	2247	2199	2234	2348	2389	1732
55°	1776	1728	1889	2076	2115	1586
65°	1254	1247	1504	1605	1620	1240
75°	681	795	910	871	852	724
85°	146	196	134	93	87	184
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3303.2	3303.2	3303.2	3303.2	3303.2
2.5°	3315.7	3306.8	3281.8	3303.2	3301.4
5°	3305.0	3297.9	3272.9	3294.3	3292.5
7.5°	3289.0	3281.8	3256.9	3278.3	3272.9
10°	3262.2	3256.9	3233.7	3249.8	3242.7
12.5°	3230.2	3224.8	3198.1	3215.9	3207.0
15°	3189.2	3182.1	3157.1	3171.4	3162.5
17.5°	3142.9	3134.0	3109.0	3123.3	3114.4
20°	3091.2	3078.7	3052.0	3071.6	3062.7
22.5°	3028.9	3019.9	2987.9	3009.3	3000.3
25°	2966.5	2948.7	2921.9	2941.5	2939.8
27.5°	2891.7	2873.8	2847.1	2870.3	2866.7
30°	2813.3	2793.7	2770.5	2793.7	2793.7
32.5°	2731.3	2706.4	2688.6	2715.3	2724.2
35°	2645.8	2611.9	2599.5	2644.0	2649.4
37.5°	2551.4	2517.5	2506.8	2565.6	2579.9
40°	2456.9	2414.2	2416.0	2490.8	2512.2
42.5°	2351.8	2309.1	2328.7	2416.0	2455.2
45°	2246.7	2198.6	2234.2	2348.2	2389.2
47.5°	2136.2	2089.9	2148.7	2282.3	2334.0
50°	2016.9	1970.5	2057.8	2220.0	2278.8
52.5°	1895.7	1847.6	1970.5	2155.8	2209.3
55°	1776.3	1728.2	1888.6	2075.7	2114.9
57.5°	1648.1	1607.1	1803.1	1970.5	2009.7
60°	1521.6	1485.9	1721.1	1863.6	1901.0
62.5°	1391.5	1364.8	1621.3	1740.7	1762.1
65°	1254.3	1247.2	1503.7	1605.3	1619.5
67.5°	1117.1	1134.9	1382.6	1448.5	1450.3
70°	976.4	1024.5	1243.6	1272.1	1259.6
72.5°	833.8	917.6	1090.4	1076.1	1065.4
75°	680.6	794.6	910.4	871.2	851.6
77.5°	541.6	669.9	718.0	662.8	632.5
80°	404.4	529.2	525.6	454.3	438.3
82.5°	272.6	368.8	315.4	256.6	224.5
85°	146.1	196.0	133.6	92.6	87.3
87.5°	55.2	46.3	35.6	32.1	32.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)