

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-L930**

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-L930
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

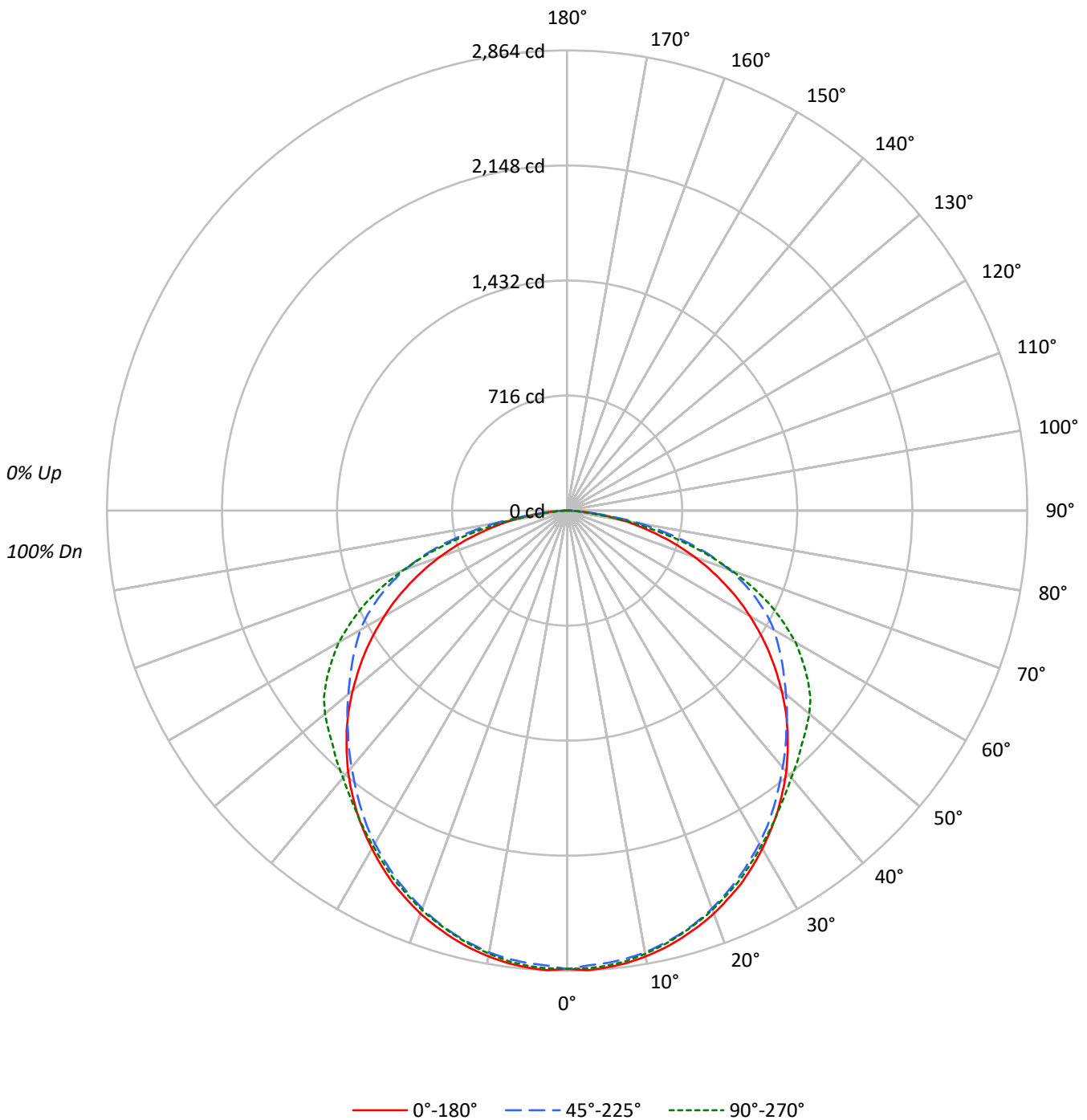
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8783.2 lumens
Efficiency: N/A
Efficacy: 143.5 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	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°	5118	5118	5118
5°	5140	5090	5121
10°	5133	5088	5102
15°	5116	5064	5073
20°	5097	5032	5050
25°	5071	4995	5026
30°	5033	4957	4998
35°	5004	4917	5011
40°	4969	4887	5081
45°	4923	4896	5235
50°	4862	4960	5493
55°	4798	5102	5713
60°	4715	5333	5891
65°	4599	5513	5937
70°	4423	5634	5706
75°	4074	5450	5098
80°	3609	4689	3910
85°	2598	2375	1552



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.2	3.1
10°-20°	773.1	8.8
20°-30°	1170.7	13.3
30°-40°	1419.9	16.2
40°-50°	1519.0	17.3
50°-60°	1472.3	16.8
60°-70°	1233.0	14.0
70°-80°	757.7	8.6
80°-90°	167.3	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°	2214.0	25.2
0°-40°	3633.9	41.4
0°-60°	6625.2	75.4
0°-90°	8783.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8783.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2853	2853	2853	2853	2853	
5°	2854	2848	2827	2845	2844	271
15°	2754	2748	2727	2739	2731	778
25°	2562	2547	2524	2540	2539	1180
35°	2285	2256	2245	2284	2288	1429
45°	1940	1899	1930	2028	2064	1496
55°	1534	1493	1631	1793	1826	1370
65°	1083	1077	1299	1386	1399	1071
75°	588	686	786	752	736	625
85°	126	169	115	80	75	159
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2852.9	2852.9	2852.9	2852.9	2852.9
2.5°	2863.6	2855.9	2834.4	2852.9	2851.3
5°	2854.4	2848.2	2826.7	2845.2	2843.6
7.5°	2840.5	2834.4	2812.8	2831.3	2826.7
10°	2817.5	2812.8	2792.8	2806.7	2800.5
12.5°	2789.8	2785.1	2762.1	2777.5	2769.8
15°	2754.4	2748.2	2726.7	2739.0	2731.3
17.5°	2714.4	2706.7	2685.1	2697.4	2689.7
20°	2669.7	2659.0	2635.9	2652.8	2645.1
22.5°	2615.9	2608.2	2580.5	2599.0	2591.3
25°	2562.0	2546.6	2523.6	2540.5	2538.9
27.5°	2497.4	2482.0	2458.9	2478.9	2475.9
30°	2429.7	2412.8	2392.8	2412.8	2412.8
32.5°	2358.9	2337.4	2322.0	2345.1	2352.8
35°	2285.1	2255.8	2245.0	2283.5	2288.1
37.5°	2203.5	2174.3	2165.0	2215.8	2228.1
40°	2121.9	2085.0	2086.6	2151.2	2169.6
42.5°	2031.2	1994.2	2011.2	2086.6	2120.4
45°	1940.4	1898.8	1929.6	2028.1	2063.5
47.5°	1845.0	1805.0	1855.7	1971.1	2015.8
50°	1741.9	1701.9	1777.3	1917.3	1968.1
52.5°	1637.2	1595.7	1701.9	1861.9	1908.1
55°	1534.1	1492.6	1631.1	1792.6	1826.5
57.5°	1423.3	1388.0	1557.2	1701.9	1735.7
60°	1314.1	1283.3	1486.4	1609.5	1641.9
62.5°	1201.8	1178.7	1400.3	1503.4	1521.8
65°	1083.3	1077.1	1298.7	1386.4	1398.7
67.5°	964.8	980.2	1194.1	1251.0	1252.5
70°	843.2	884.8	1074.1	1098.7	1087.9
72.5°	720.1	792.5	941.7	929.4	920.2
75°	587.8	686.3	786.3	752.5	735.5
77.5°	467.8	578.6	620.1	572.4	546.3
80°	349.3	457.0	453.9	392.4	378.5
82.5°	235.4	318.5	272.4	221.6	193.9
85°	126.2	169.3	115.4	80.0	75.4
87.5°	47.7	40.0	30.8	27.7	27.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)