

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-TB-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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TB-200-HE-L930
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

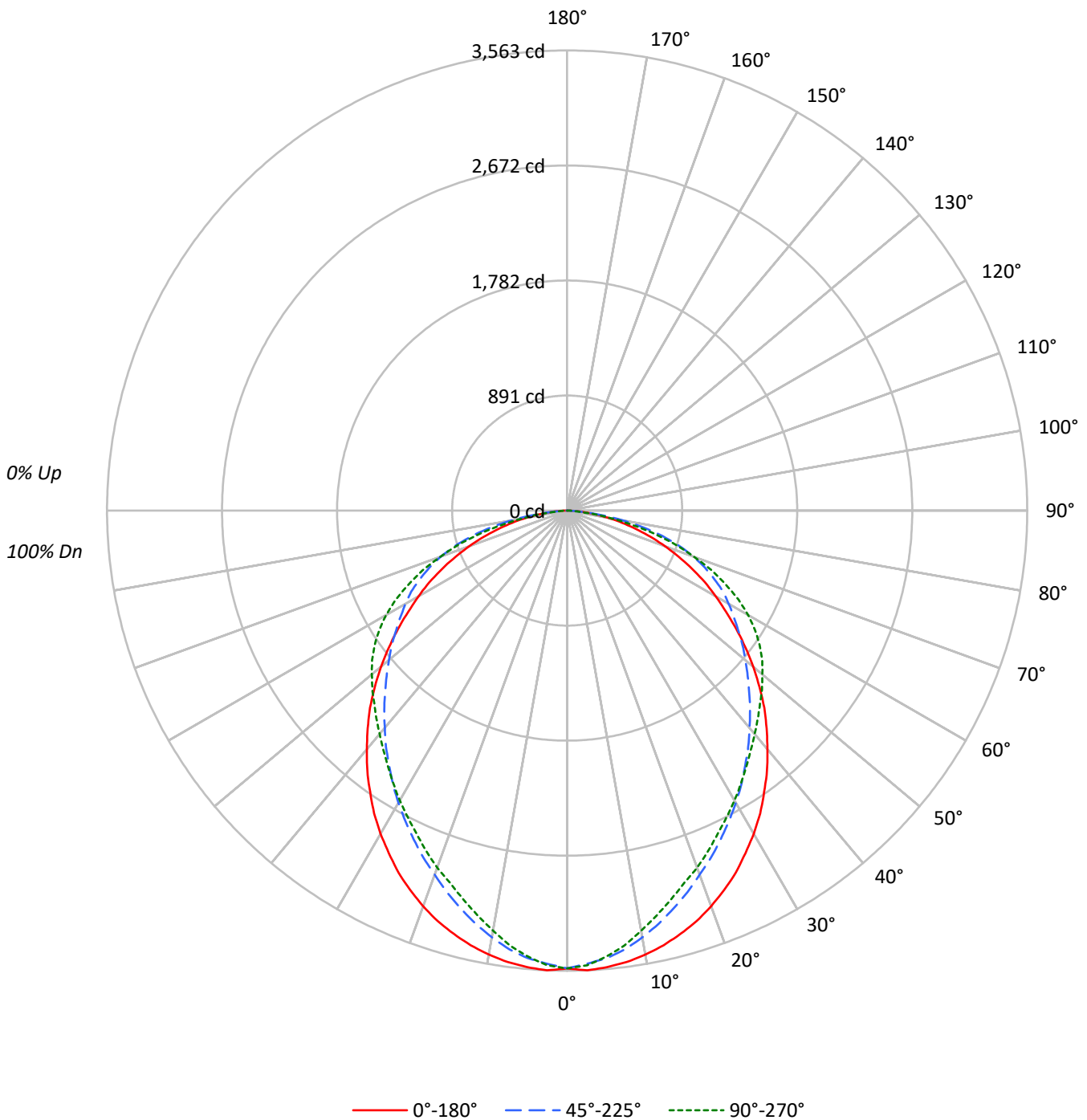
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9272.5 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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				
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83				
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58				
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49				
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43				
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37				
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33				
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30				
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27				
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6359	6359	6359
5°	6390	6266	6245
10°	6359	6113	6017
15°	6302	5922	5784
20°	6223	5727	5617
25°	6120	5563	5461
30°	5984	5413	5370
35°	5825	5266	5296
40°	5650	5144	5289
45°	5475	5058	5360
50°	5251	5023	5508
55°	5001	5056	5695
60°	4766	5184	5808
65°	4533	5346	5757
70°	4237	5461	5473
75°	3803	5299	4903
80°	3328	4497	3642
85°	2499	2377	1538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.4	3.6
10°-20°	909.0	9.8
20°-30°	1322.4	14.3
30°-40°	1546.7	16.7
40°-50°	1589.8	17.1
50°-60°	1479.1	16.0
60°-70°	1203.1	13.0
70°-80°	728.7	7.9
80°-90°	163.2	1.8
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°	2561.8	27.6
0°-40°	4108.5	44.3
0°-60°	7177.4	77.4
0°-90°	9272.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9272.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3545	3545	3545	3545	3545	
5°	3548	3527	3479	3486	3468	337
15°	3393	3320	3189	3141	3114	957
25°	3092	2961	2810	2782	2759	1422
35°	2660	2519	2404	2420	2418	1664
45°	2158	2019	1994	2081	2112	1661
55°	1599	1512	1616	1781	1821	1431
65°	1068	1048	1259	1360	1356	1057
75°	549	652	764	731	707	587
85°	121	167	116	84	75	148
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3544.6	3544.6	3544.6	3544.6	3544.6
2.5°	3563.3	3547.0	3511.9	3531.8	3523.6
5°	3548.1	3527.1	3479.3	3486.3	3467.6
7.5°	3526.0	3495.6	3426.7	3412.7	3396.4
10°	3490.9	3446.6	3355.6	3333.4	3303.0
12.5°	3447.8	3390.6	3276.2	3236.5	3208.5
15°	3392.9	3320.5	3188.6	3140.8	3114.0
17.5°	3333.4	3243.5	3097.6	3048.6	3020.6
20°	3259.8	3157.1	2999.6	2958.7	2942.4
22.5°	3178.1	3060.3	2908.5	2872.4	2853.7
25°	3091.8	2961.1	2810.5	2782.5	2759.1
27.5°	2990.2	2857.2	2711.3	2691.4	2675.1
30°	2888.7	2752.1	2613.2	2599.2	2592.2
32.5°	2781.3	2633.1	2510.5	2508.2	2504.7
35°	2659.9	2518.7	2404.3	2419.5	2418.3
37.5°	2542.0	2397.3	2303.9	2330.8	2336.6
40°	2412.5	2271.3	2196.6	2242.1	2258.4
42.5°	2285.3	2149.9	2096.2	2158.1	2184.9
45°	2158.1	2019.2	1993.5	2081.0	2112.5
47.5°	2019.2	1894.3	1896.6	2008.7	2046.0
50°	1881.4	1764.7	1799.7	1930.5	1973.6
52.5°	1739.1	1638.7	1712.2	1854.6	1903.6
55°	1599.0	1511.5	1616.5	1781.1	1820.8
57.5°	1458.9	1388.9	1529.0	1686.5	1726.2
60°	1328.2	1267.5	1444.9	1588.5	1618.8
62.5°	1203.3	1154.3	1362.1	1481.1	1496.3
65°	1067.9	1048.1	1259.4	1359.7	1356.2
67.5°	934.9	939.6	1154.3	1219.7	1213.8
70°	807.7	845.0	1041.1	1067.9	1043.4
72.5°	676.9	747.0	909.2	906.9	882.4
75°	548.6	652.4	764.5	730.6	707.3
77.5°	437.7	550.9	606.9	560.2	522.9
80°	322.1	441.2	435.3	382.8	352.5
82.5°	211.3	307.0	269.6	217.1	203.1
85°	121.4	166.9	115.5	84.0	74.7
87.5°	51.4	44.4	29.2	26.8	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)