

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: **4RSRK-TB-100-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: 4RSRK-TB-100-HE-L930
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

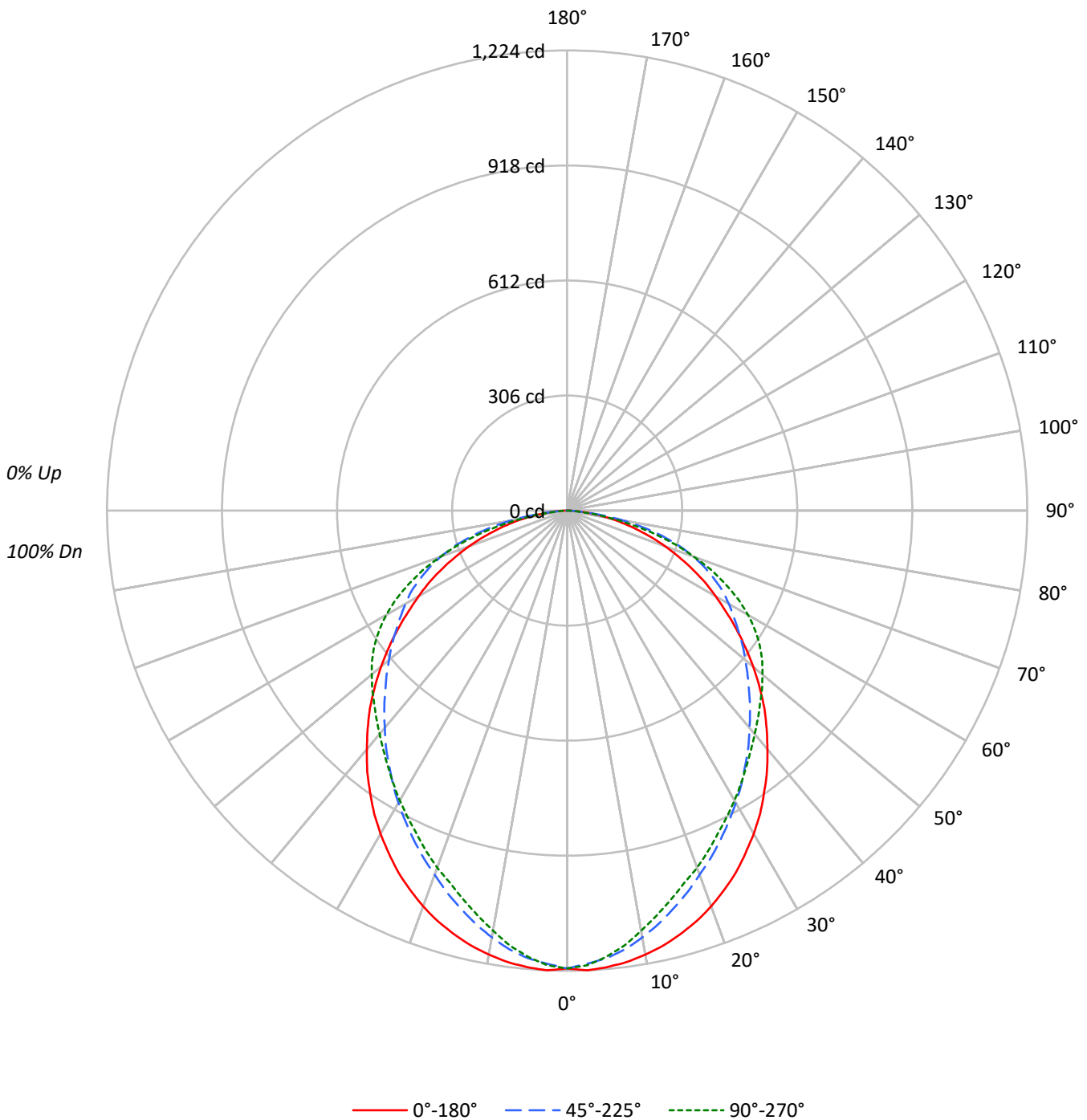
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3185.8 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	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°	3277	3277	3277
5°	3293	3229	3218
10°	3277	3150	3101
15°	3248	3052	2981
20°	3207	2951	2895
25°	3154	2867	2815
30°	3084	2790	2767
35°	3002	2714	2730
40°	2912	2651	2726
45°	2821	2606	2762
50°	2706	2588	2839
55°	2578	2606	2935
60°	2456	2672	2993
65°	2336	2755	2967
70°	2183	2814	2821
75°	1960	2731	2527
80°	1715	2318	1877
85°	1288	1226	794



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	3.6
10°-20°	312.3	9.8
20°-30°	454.3	14.3
30°-40°	531.4	16.7
40°-50°	546.2	17.1
50°-60°	508.2	16.0
60°-70°	413.4	13.0
70°-80°	250.4	7.9
80°-90°	56.1	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°	880.2	27.6
0°-40°	1411.6	44.3
0°-60°	2465.9	77.4
0°-90°	3185.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3185.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1218	1218	1218	1218	1218	
5°	1219	1212	1195	1198	1191	116
15°	1166	1141	1096	1079	1070	329
25°	1062	1017	966	956	948	489
35°	914	865	826	831	831	572
45°	741	694	685	715	726	571
55°	549	519	555	612	626	492
65°	367	360	433	467	466	363
75°	188	224	263	251	243	202
85°	42	57	40	29	26	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1217.8	1217.8	1217.8	1217.8	1217.8
2.5°	1224.2	1218.6	1206.6	1213.4	1210.6
5°	1219.0	1211.8	1195.4	1197.8	1191.4
7.5°	1211.4	1201.0	1177.3	1172.5	1166.9
10°	1199.4	1184.1	1152.9	1145.3	1134.8
12.5°	1184.6	1164.9	1125.6	1112.0	1102.3
15°	1165.7	1140.8	1095.5	1079.1	1069.9
17.5°	1145.3	1114.4	1064.3	1047.4	1037.8
20°	1120.0	1084.7	1030.6	1016.5	1010.9
22.5°	1091.9	1051.4	999.3	986.9	980.4
25°	1062.2	1017.3	965.6	956.0	948.0
27.5°	1027.4	981.6	931.5	924.7	919.1
30°	992.5	945.6	897.8	893.0	890.6
32.5°	955.6	904.7	862.5	861.7	860.5
35°	913.9	865.4	826.1	831.3	830.9
37.5°	873.4	823.7	791.6	800.8	802.8
40°	828.9	780.3	754.7	770.3	775.9
42.5°	785.2	738.6	720.2	741.4	750.7
45°	741.4	693.7	684.9	715.0	725.8
47.5°	693.7	650.8	651.6	690.1	703.0
50°	646.4	606.3	618.3	663.3	678.1
52.5°	597.5	563.0	588.3	637.2	654.0
55°	549.4	519.3	555.4	611.9	625.6
57.5°	501.2	477.2	525.3	579.4	593.1
60°	456.3	435.5	496.4	545.8	556.2
62.5°	413.4	396.6	468.0	508.9	514.1
65°	366.9	360.1	432.7	467.2	466.0
67.5°	321.2	322.8	396.6	419.0	417.0
70°	277.5	290.3	357.7	366.9	358.5
72.5°	232.6	256.6	312.4	311.6	303.2
75°	188.5	224.2	262.7	251.0	243.0
77.5°	150.4	189.3	208.5	192.5	179.6
80°	110.7	151.6	149.6	131.5	121.1
82.5°	72.6	105.5	92.6	74.6	69.8
85°	41.7	57.3	39.7	28.9	25.7
87.5°	17.6	15.2	10.0	9.2	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)