

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-L935**

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-L935
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

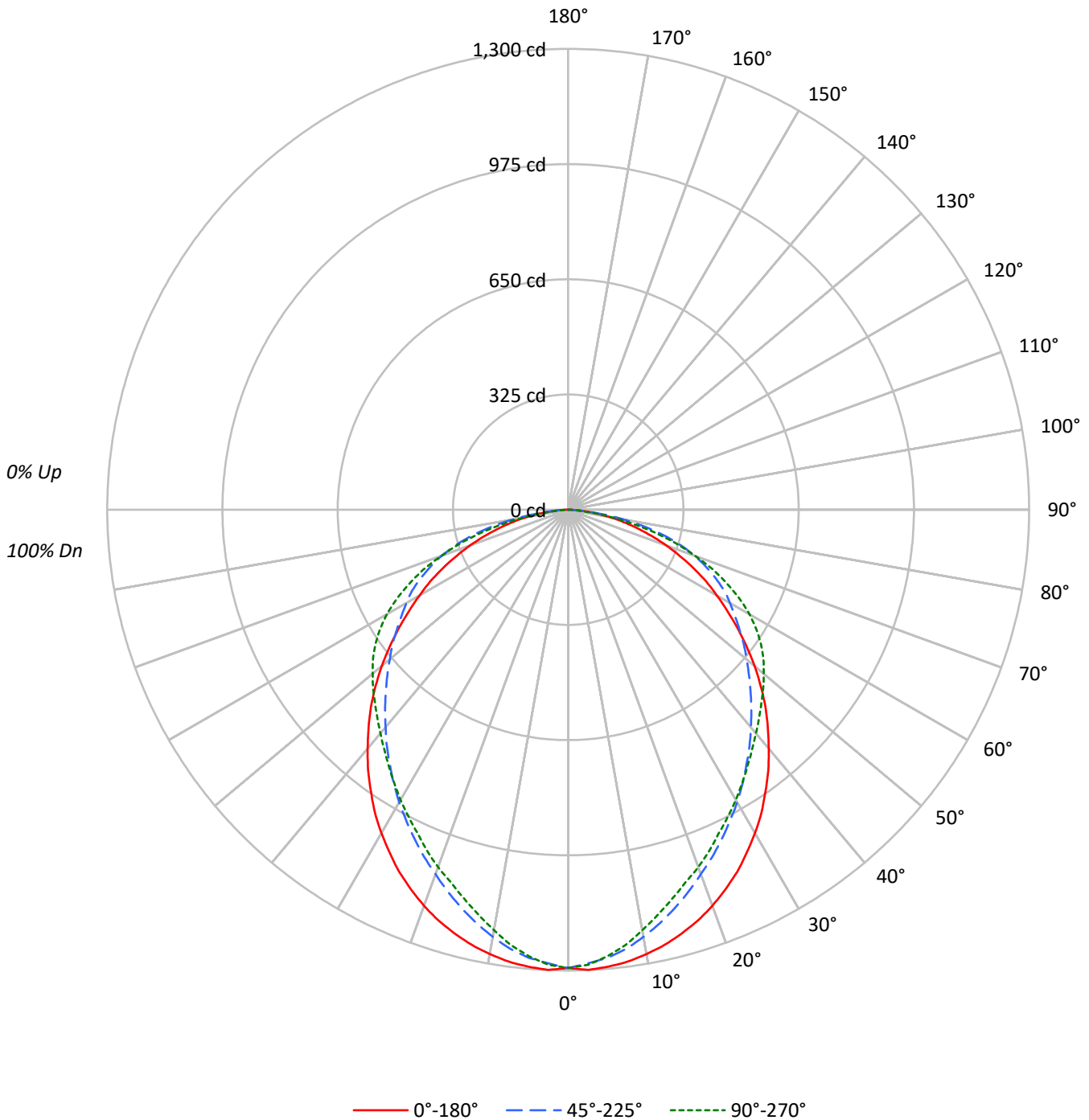
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3381.6 lumens
Efficiency: N/A
Efficacy: 117.4 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

TEST NUMBER: P#
CATALOG NUMBER: 4RSRK-TB-100-HE-L935

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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3479	3479	3479
5°	3495	3428	3416
10°	3479	3344	3292
15°	3447	3240	3164
20°	3404	3133	3073
25°	3348	3043	2988
30°	3274	2961	2938
35°	3187	2880	2897
40°	3091	2814	2893
45°	2995	2767	2932
50°	2873	2748	3013
55°	2736	2766	3115
60°	2607	2836	3178
65°	2480	2925	3149
70°	2318	2987	2994
75°	2080	2899	2681
80°	1821	2461	1991
85°	1368	1300	840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	3.6
10°-20°	331.5	9.8
20°-30°	482.3	14.3
30°-40°	564.1	16.7
40°-50°	579.8	17.1
50°-60°	539.4	16.0
60°-70°	438.8	13.0
70°-80°	265.8	7.9
80°-90°	59.5	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°	934.3	27.6
0°-40°	1498.3	44.3
0°-60°	2617.6	77.4
0°-90°	3381.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3381.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1293	1293	1293	1293	1293	
5°	1294	1286	1269	1271	1265	123
15°	1237	1211	1163	1145	1136	349
25°	1128	1080	1025	1015	1006	519
35°	970	919	877	882	882	607
45°	787	736	727	759	770	606
55°	583	551	590	650	664	522
65°	390	382	459	496	495	386
75°	200	238	279	266	258	214
85°	44	61	42	31	27	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1292.7	1292.7	1292.7	1292.7	1292.7
2.5°	1299.5	1293.6	1280.8	1288.0	1285.0
5°	1294.0	1286.3	1268.9	1271.4	1264.6
7.5°	1285.9	1274.8	1249.7	1244.6	1238.6
10°	1273.1	1256.9	1223.7	1215.7	1204.6
12.5°	1257.4	1236.5	1194.8	1180.3	1170.1
15°	1237.4	1211.0	1162.9	1145.4	1135.6
17.5°	1215.7	1182.9	1129.7	1111.8	1101.6
20°	1188.8	1151.4	1093.9	1079.0	1073.1
22.5°	1159.0	1116.1	1060.7	1047.5	1040.7
25°	1127.6	1079.9	1025.0	1014.8	1006.2
27.5°	1090.5	1042.0	988.8	981.6	975.6
30°	1053.5	1003.7	953.0	947.9	945.4
32.5°	1014.3	960.3	915.6	914.7	913.4
35°	970.1	918.6	876.8	882.4	882.0
37.5°	927.1	874.3	840.2	850.0	852.2
40°	879.8	828.3	801.1	817.7	823.6
42.5°	833.4	784.1	764.5	787.0	796.8
45°	787.0	736.4	727.0	758.9	770.4
47.5°	736.4	690.8	691.7	732.5	746.2
50°	686.2	643.6	656.4	704.0	719.8
52.5°	634.2	597.6	624.4	676.4	694.2
55°	583.1	551.2	589.5	649.5	664.0
57.5°	532.1	506.5	557.6	615.1	629.5
60°	484.4	462.3	527.0	579.3	590.4
62.5°	438.8	421.0	496.7	540.2	545.7
65°	389.5	382.2	459.3	495.9	494.6
67.5°	340.9	342.6	421.0	444.8	442.7
70°	294.6	308.2	379.7	389.5	380.5
72.5°	246.9	272.4	331.6	330.7	321.8
75°	200.1	237.9	278.8	266.5	257.9
77.5°	159.6	200.9	221.3	204.3	190.7
80°	117.5	160.9	158.8	139.6	128.5
82.5°	77.0	111.9	98.3	79.2	74.1
85°	44.3	60.9	42.1	30.6	27.2
87.5°	18.7	16.2	10.6	9.8	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)