

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-L940**

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-L940
Description: 4ft RSRK, 1000 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

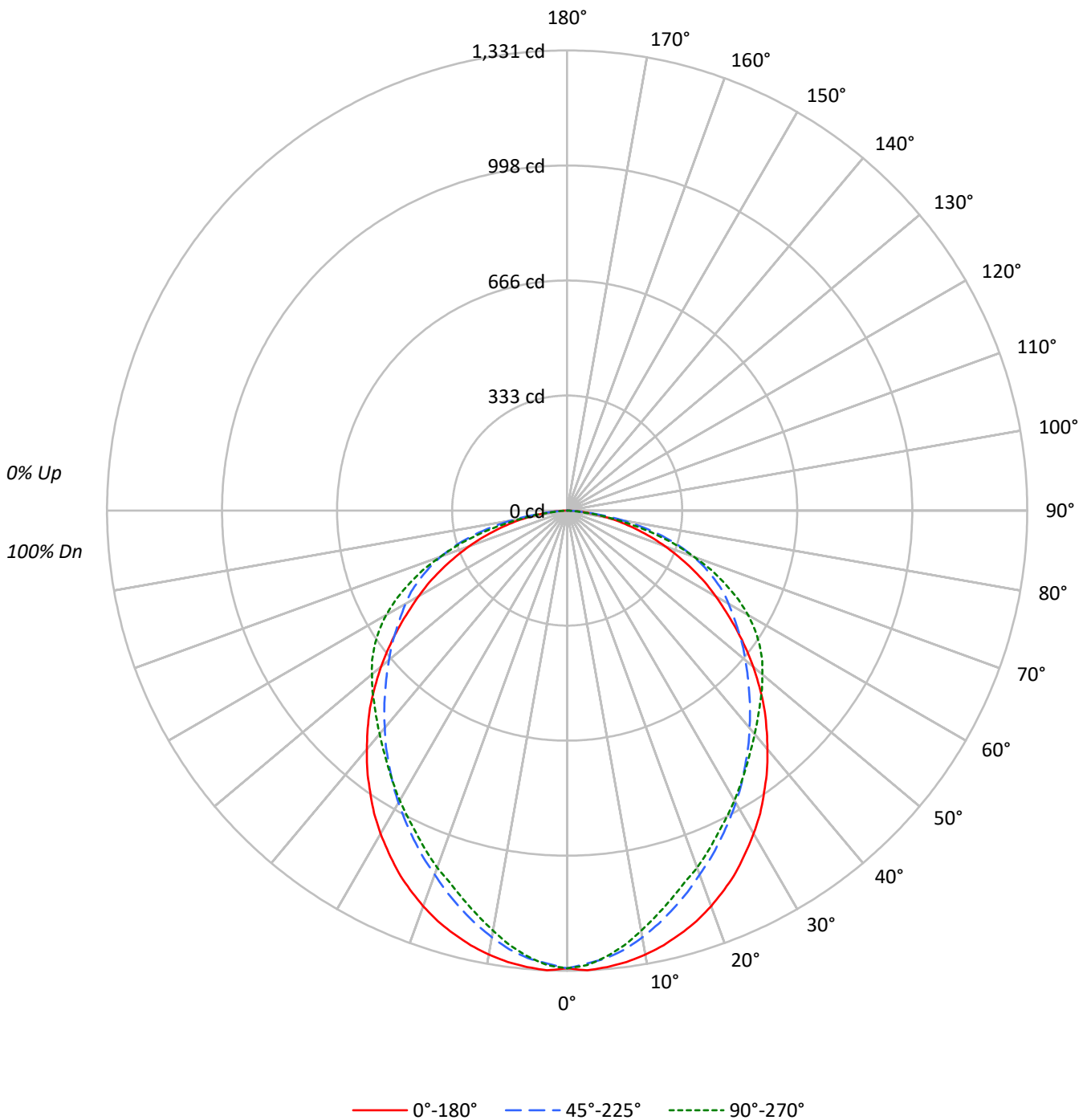
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3463.5 lumens
Efficiency: N/A
Efficacy: 120.3 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	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°	3563	3563	3563
5°	3580	3511	3499
10°	3563	3425	3371
15°	3531	3318	3240
20°	3487	3208	3147
25°	3429	3117	3060
30°	3353	3033	3009
35°	3264	2950	2967
40°	3165	2882	2963
45°	3068	2834	3003
50°	2942	2815	3086
55°	2802	2833	3191
60°	2670	2905	3254
65°	2540	2995	3226
70°	2374	3060	3066
75°	2130	2969	2747
80°	1864	2520	2041
85°	1399	1334	861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	3.6
10°-20°	339.5	9.8
20°-30°	494.0	14.3
30°-40°	577.7	16.7
40°-50°	593.8	17.1
50°-60°	552.5	16.0
60°-70°	449.4	13.0
70°-80°	272.2	7.9
80°-90°	61.0	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°	956.9	27.6
0°-40°	1534.6	44.3
0°-60°	2681.0	77.4
0°-90°	3463.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3463.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1324	1324	1324	1324	1324	
5°	1325	1318	1300	1302	1295	126
15°	1267	1240	1191	1173	1163	357
25°	1155	1106	1050	1039	1031	531
35°	994	941	898	904	903	622
45°	806	754	745	777	789	621
55°	597	565	604	665	680	535
65°	399	392	470	508	507	395
75°	205	244	286	273	264	219
85°	45	62	43	31	28	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1324.0	1324.0	1324.0	1324.0	1324.0
2.5°	1331.0	1324.9	1311.8	1319.2	1316.2
5°	1325.3	1317.5	1299.6	1302.2	1295.2
7.5°	1317.0	1305.7	1280.0	1274.8	1268.6
10°	1304.0	1287.4	1253.4	1245.1	1233.8
12.5°	1287.8	1266.5	1223.7	1208.9	1198.5
15°	1267.3	1240.3	1191.0	1173.2	1163.1
17.5°	1245.1	1211.5	1157.0	1138.7	1128.3
20°	1217.6	1179.3	1120.4	1105.2	1099.1
22.5°	1187.1	1143.1	1086.4	1072.9	1065.9
25°	1154.9	1106.0	1049.8	1039.3	1030.6
27.5°	1116.9	1067.2	1012.7	1005.3	999.2
30°	1079.0	1028.0	976.1	970.9	968.3
32.5°	1038.9	983.5	937.8	936.9	935.6
35°	993.6	940.8	898.1	903.7	903.3
37.5°	949.5	895.5	860.6	870.6	872.8
40°	901.1	848.4	820.5	837.5	843.6
42.5°	853.6	803.0	783.0	806.1	816.1
45°	806.1	754.2	744.6	777.3	789.1
47.5°	754.2	707.6	708.4	750.3	764.2
50°	702.8	659.2	672.3	721.1	737.2
52.5°	649.6	612.1	639.6	692.7	711.1
55°	597.3	564.6	603.8	665.3	680.1
57.5°	545.0	518.8	571.1	630.0	644.8
60°	496.1	473.5	539.7	593.3	604.7
62.5°	449.5	431.2	508.8	553.2	558.9
65°	398.9	391.5	470.4	507.9	506.6
67.5°	349.2	350.9	431.2	455.6	453.4
70°	301.7	315.6	388.9	398.9	389.7
72.5°	252.9	279.0	339.6	338.7	329.6
75°	204.9	243.7	285.6	272.9	264.2
77.5°	163.5	205.8	226.7	209.3	195.3
80°	120.3	164.8	162.6	143.0	131.7
82.5°	78.9	114.7	100.7	81.1	75.9
85°	45.3	62.3	43.2	31.4	27.9
87.5°	19.2	16.6	10.9	10.0	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)