

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-L830**

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-L830
Description: 4ft RSRK, 1000 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

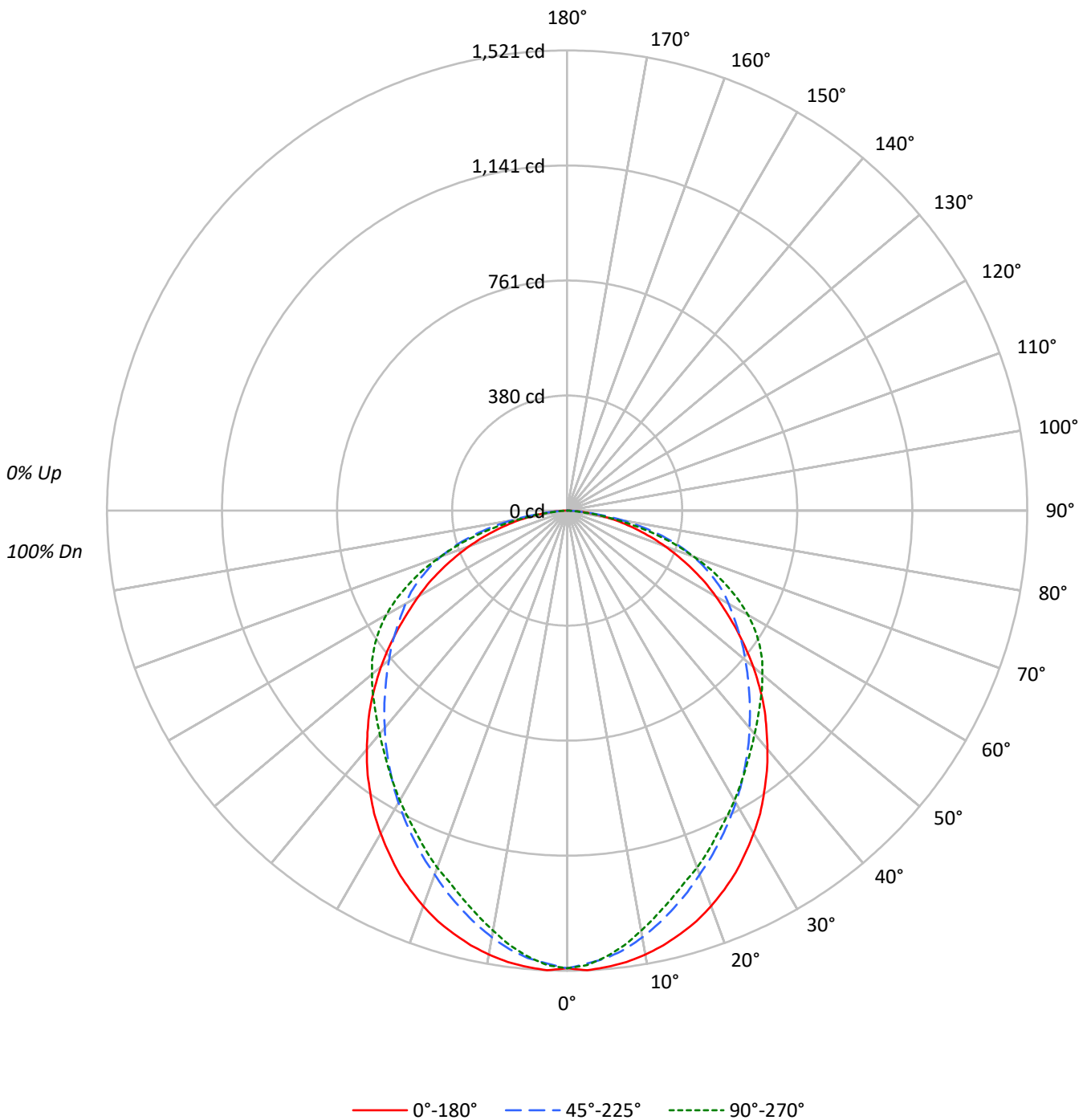
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3957.5 lumens
Efficiency: N/A
Efficacy: 137.4 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

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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°	4071	4071	4071
5°	4091	4011	3998
10°	4071	3913	3852
15°	4034	3791	3702
20°	3984	3666	3596
25°	3918	3562	3496
30°	3831	3466	3438
35°	3730	3371	3391
40°	3617	3293	3386
45°	3505	3238	3431
50°	3362	3216	3526
55°	3202	3237	3646
60°	3051	3319	3718
65°	2902	3422	3685
70°	2712	3496	3504
75°	2434	3393	3139
80°	2131	2879	2331
85°	1599	1522	985



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	3.6
10°-20°	388.0	9.8
20°-30°	564.4	14.3
30°-40°	660.1	16.7
40°-50°	678.5	17.1
50°-60°	631.3	16.0
60°-70°	513.5	13.0
70°-80°	311.0	7.9
80°-90°	69.7	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°	1093.4	27.6
0°-40°	1753.5	44.3
0°-60°	3063.3	77.4
0°-90°	3957.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3957.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1513	1513	1513	1513	1513	
5°	1514	1505	1485	1488	1480	144
15°	1448	1417	1361	1340	1329	408
25°	1320	1264	1200	1188	1178	607
35°	1135	1075	1026	1033	1032	710
45°	921	862	851	888	902	709
55°	682	645	690	760	777	611
65°	456	447	538	580	579	451
75°	234	278	326	312	302	251
85°	52	71	49	36	32	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1512.8	1512.8	1512.8	1512.8	1512.8
2.5°	1520.8	1513.8	1498.9	1507.4	1503.9
5°	1514.3	1505.4	1484.9	1487.9	1480.0
7.5°	1504.9	1491.9	1462.5	1456.5	1449.6
10°	1489.9	1471.0	1432.1	1422.7	1409.7
12.5°	1471.5	1447.1	1398.3	1381.3	1369.4
15°	1448.1	1417.2	1360.9	1340.5	1329.0
17.5°	1422.7	1384.3	1322.1	1301.1	1289.2
20°	1391.3	1347.5	1280.2	1262.8	1255.8
22.5°	1356.4	1306.1	1241.4	1225.9	1217.9
25°	1319.6	1263.8	1199.5	1187.6	1177.6
27.5°	1276.2	1219.4	1157.2	1148.7	1141.7
30°	1232.9	1174.6	1115.3	1109.3	1106.4
32.5°	1187.1	1123.8	1071.5	1070.5	1069.0
35°	1135.3	1075.0	1026.2	1032.6	1032.1
37.5°	1084.9	1023.2	983.3	994.8	997.3
40°	1029.6	969.4	937.5	956.9	963.9
42.5°	975.3	917.6	894.7	921.1	932.5
45°	921.1	861.8	850.8	888.2	901.6
47.5°	861.8	808.5	809.5	857.3	873.2
50°	803.0	753.2	768.1	823.9	842.3
52.5°	742.2	699.4	730.8	791.5	812.5
55°	682.4	645.1	689.9	760.2	777.1
57.5°	622.7	592.8	652.6	719.8	736.7
60°	566.9	541.0	616.7	678.0	690.9
62.5°	513.6	492.7	581.3	632.1	638.6
65°	455.8	447.3	537.5	580.3	578.8
67.5°	399.0	401.0	492.7	520.6	518.1
70°	344.7	360.6	444.3	455.8	445.3
72.5°	288.9	318.8	388.0	387.1	376.6
75°	234.1	278.5	326.3	311.8	301.9
77.5°	186.8	235.1	259.0	239.1	223.2
80°	137.5	188.3	185.8	163.4	150.4
82.5°	90.2	131.0	115.1	92.7	86.7
85°	51.8	71.2	49.3	35.9	31.9
87.5°	21.9	18.9	12.5	11.5	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)