

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: **8RSRK-TS-100-HE-L835**

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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TS-100-HE-L835
Description: 8ft RSRK, 1000 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

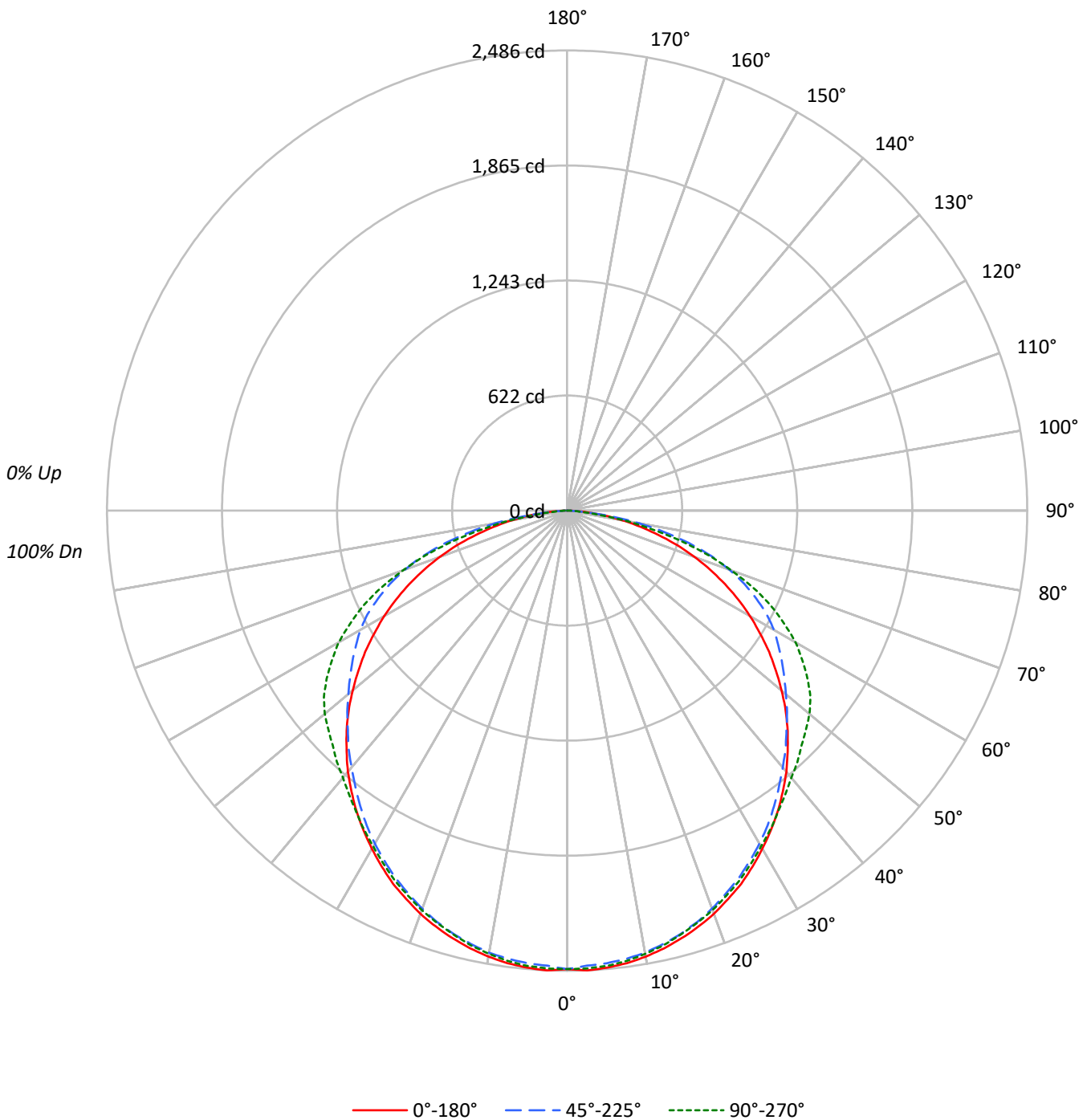
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7626.6 lumens
Efficiency: N/A
Efficacy: 264.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 8' 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: 8RSRK-TS-100-HE-L835

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	108	103	99	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73		80	76	72		77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61		70	65	60		68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51		62	56	51		60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27		39	32	27		37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25		36	29	24		35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3333	3333	3333
5°	3348	3315	3335
10°	3343	3313	3322
15°	3332	3298	3304
20°	3319	3277	3289
25°	3303	3253	3273
30°	3278	3228	3255
35°	3259	3202	3263
40°	3236	3182	3309
45°	3206	3188	3409
50°	3166	3230	3577
55°	3125	3322	3720
60°	3071	3473	3837
65°	2995	3590	3867
70°	2880	3669	3716
75°	2653	3550	3320
80°	2350	3054	2547
85°	1692	1547	1011



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	3.1
10°-20°	671.3	8.8
20°-30°	1016.5	13.3
30°-40°	1232.9	16.2
40°-50°	1319.0	17.3
50°-60°	1278.4	16.8
60°-70°	1070.7	14.0
70°-80°	657.9	8.6
80°-90°	145.3	1.9
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°	1922.5	25.2
0°-40°	3155.4	41.4
0°-60°	5752.7	75.4
0°-90°	7626.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7626.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2477	2477	2477	2477	2477	
5°	2478	2473	2454	2470	2469	236
15°	2392	2386	2368	2378	2372	675
25°	2225	2211	2191	2206	2205	1025
35°	1984	1959	1949	1983	1987	1241
45°	1685	1649	1676	1761	1792	1299
55°	1332	1296	1416	1557	1586	1189
65°	941	935	1128	1204	1214	930
75°	510	596	683	653	639	543
85°	110	147	100	70	66	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2477.2	2477.2	2477.2	2477.2	2477.2
2.5°	2486.5	2479.9	2461.2	2477.2	2475.8
5°	2478.5	2473.2	2454.5	2470.5	2469.2
7.5°	2466.5	2461.2	2442.4	2458.5	2454.5
10°	2446.5	2442.4	2425.1	2437.1	2431.8
12.5°	2422.4	2418.4	2398.4	2411.7	2405.0
15°	2391.7	2386.3	2367.6	2378.3	2371.6
17.5°	2356.9	2350.3	2331.5	2342.2	2335.6
20°	2318.2	2308.8	2288.8	2303.5	2296.8
22.5°	2271.4	2264.7	2240.7	2256.7	2250.0
25°	2224.7	2211.3	2191.3	2205.9	2204.6
27.5°	2168.5	2155.2	2135.1	2152.5	2149.8
30°	2109.7	2095.1	2077.7	2095.1	2095.1
32.5°	2048.3	2029.6	2016.2	2036.3	2042.9
35°	1984.2	1958.8	1949.4	1982.8	1986.8
37.5°	1913.3	1888.0	1879.9	1924.0	1934.7
40°	1842.5	1810.5	1811.8	1867.9	1883.9
42.5°	1763.7	1731.6	1746.3	1811.8	1841.2
45°	1684.9	1648.8	1675.5	1761.0	1791.7
47.5°	1602.0	1567.3	1611.4	1711.6	1750.3
50°	1512.5	1477.8	1543.2	1664.8	1708.9
52.5°	1421.6	1385.6	1477.8	1616.7	1656.8
55°	1332.1	1296.0	1416.3	1556.6	1586.0
57.5°	1235.9	1205.2	1352.2	1477.8	1507.2
60°	1141.1	1114.3	1290.7	1397.6	1425.7
62.5°	1043.5	1023.5	1215.9	1305.4	1321.4
65°	940.6	935.3	1127.7	1203.9	1214.5
67.5°	837.8	851.1	1036.8	1086.3	1087.6
70°	732.2	768.3	932.6	954.0	944.6
72.5°	625.3	688.1	817.7	807.0	799.0
75°	510.4	595.9	682.8	653.4	638.7
77.5°	406.2	502.4	538.5	497.0	474.3
80°	303.3	396.8	394.2	340.7	328.7
82.5°	204.4	276.6	236.5	192.4	168.4
85°	109.6	147.0	100.2	69.5	65.5
87.5°	41.4	34.7	26.7	24.1	24.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)