

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-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: 8RSRK-TB-100-HE-L940
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

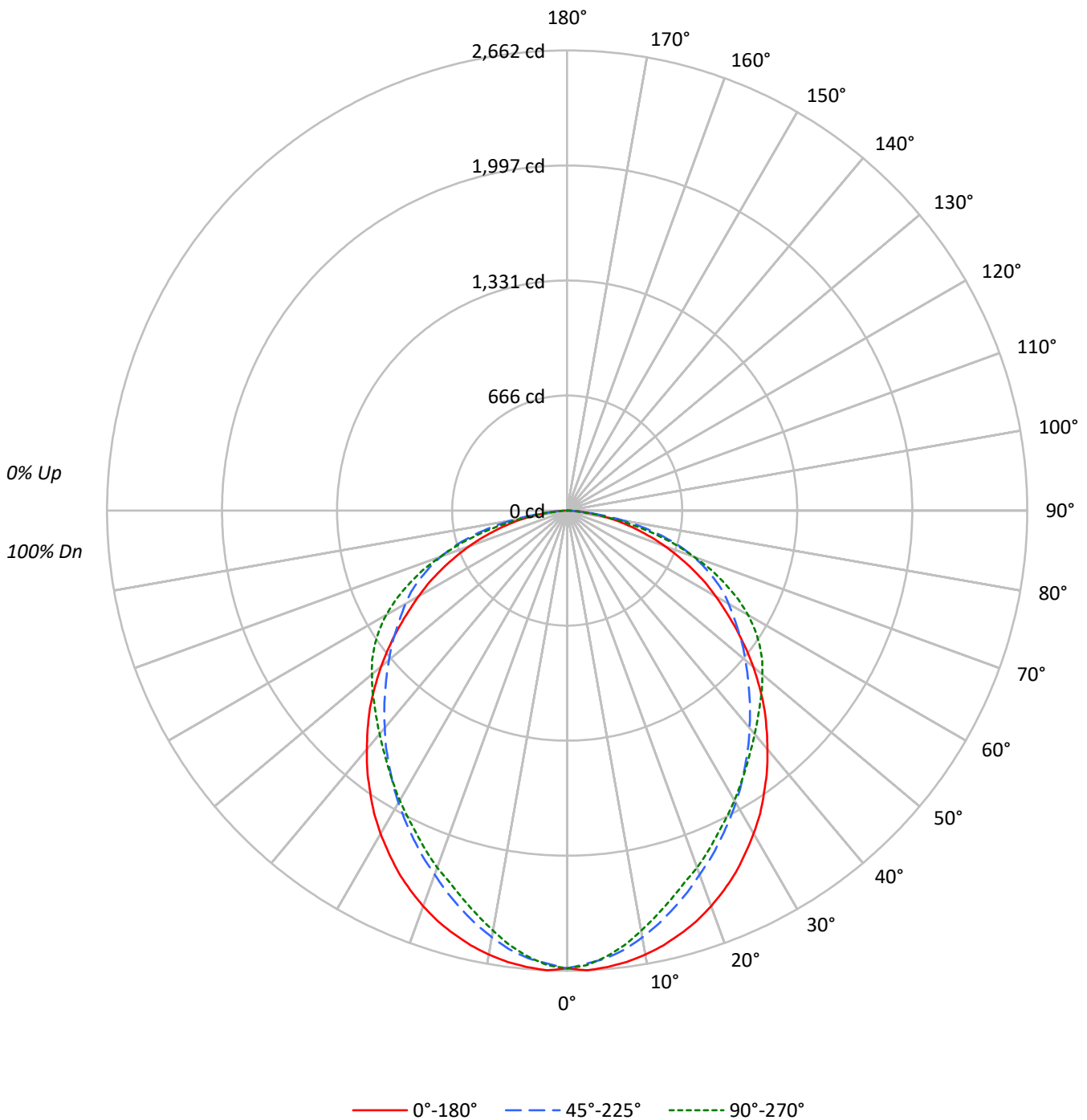
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6927.0 lumens
Efficiency: N/A
Efficacy: 240.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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-TB-100-HE-L940

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-TB-100-HE-L940

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°	3166	2882	2963
45°	3068	2834	3003
50°	2942	2814	3086
55°	2802	2833	3191
60°	2670	2905	3254
65°	2540	2995	3226
70°	2374	3060	3067
75°	2130	2969	2747
80°	1865	2520	2040
85°	1400	1332	861



TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-TB-100-HE-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.8	3.6
10°-20°	679.1	9.8
20°-30°	987.9	14.3
30°-40°	1155.5	16.7
40°-50°	1187.7	17.1
50°-60°	1105.0	16.0
60°-70°	898.8	13.0
70°-80°	544.4	7.9
80°-90°	121.9	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°	1913.8	27.6
0°-40°	3069.3	44.3
0°-60°	5361.9	77.4
0°-90°	6927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6927.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2648	2648	2648	2648	2648	
5°	2651	2635	2599	2604	2590	252
15°	2535	2481	2382	2346	2326	715
25°	2310	2212	2100	2079	2061	1062
35°	1987	1882	1796	1808	1807	1243
45°	1612	1508	1489	1555	1578	1241
55°	1194	1129	1208	1331	1360	1069
65°	798	783	941	1016	1013	790
75°	410	487	571	546	528	439
85°	91	125	86	63	56	111
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8RSRK-TB-100-HE-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2648.0	2648.0	2648.0	2648.0	2648.0
2.5°	2662.0	2649.8	2623.6	2638.4	2632.3
5°	2650.6	2635.0	2599.2	2604.4	2590.5
7.5°	2634.1	2611.4	2560.0	2549.5	2537.3
10°	2607.9	2574.8	2506.8	2490.2	2467.5
12.5°	2575.7	2532.9	2447.5	2417.8	2396.9
15°	2534.7	2480.6	2382.1	2346.3	2326.3
17.5°	2490.2	2423.1	2314.1	2277.5	2256.5
20°	2435.3	2358.6	2240.8	2210.3	2198.1
22.5°	2374.2	2286.2	2172.8	2145.8	2131.9
25°	2309.7	2212.1	2099.6	2078.7	2061.2
27.5°	2233.9	2134.5	2025.5	2010.7	1998.4
30°	2158.0	2056.0	1952.2	1941.8	1936.5
32.5°	2077.8	1967.1	1875.5	1873.8	1871.1
35°	1987.1	1881.6	1796.2	1807.5	1806.6
37.5°	1899.0	1790.9	1721.2	1741.2	1745.6
40°	1802.3	1696.8	1641.0	1675.0	1687.2
42.5°	1707.2	1606.1	1566.0	1612.2	1632.2
45°	1612.2	1508.4	1489.2	1554.6	1578.2
47.5°	1508.4	1415.1	1416.9	1500.6	1528.5
50°	1405.5	1318.3	1344.5	1442.2	1474.4
52.5°	1299.2	1224.2	1279.1	1385.5	1422.1
55°	1194.5	1129.1	1207.6	1330.6	1360.2
57.5°	1089.9	1037.6	1142.2	1259.9	1289.6
60°	992.2	946.9	1079.4	1186.7	1209.4
62.5°	899.0	862.3	1017.5	1106.5	1117.8
65°	797.8	783.0	940.8	1015.8	1013.2
67.5°	698.4	701.9	862.3	911.2	906.8
70°	603.4	631.3	777.8	797.8	779.5
72.5°	505.7	558.0	679.2	677.5	659.2
75°	409.8	487.4	571.1	545.8	528.4
77.5°	327.0	411.5	453.4	418.5	390.6
80°	240.7	329.6	325.2	286.0	263.3
82.5°	157.8	229.3	201.4	162.2	151.7
85°	90.7	124.7	86.3	62.8	55.8
87.5°	38.4	33.1	21.8	20.1	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)