

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-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 (G3-1810-975-5)
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-L940
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

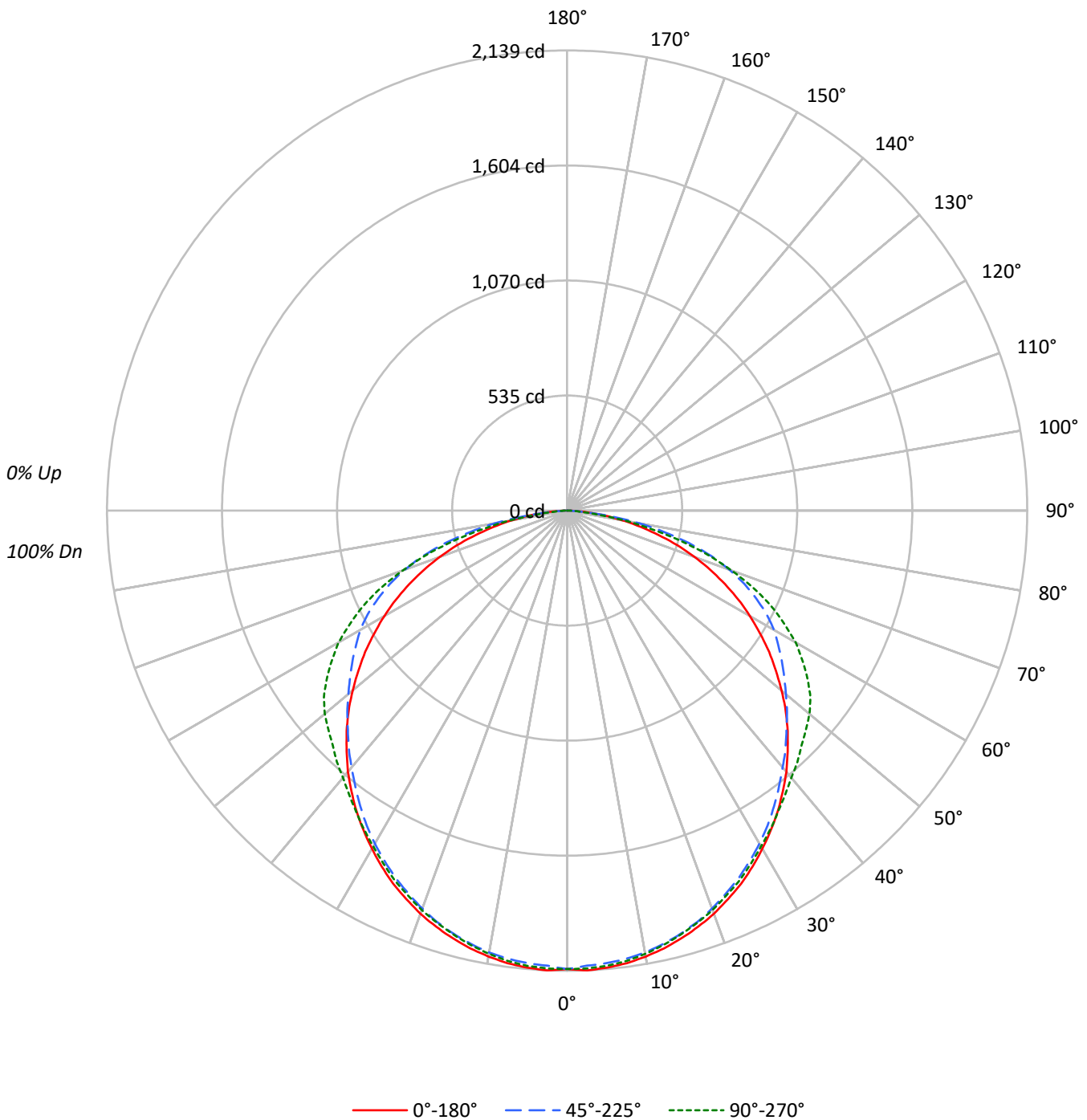
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6561.5 lumens
Efficiency: N/A
Efficacy: 227.8 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-L940

Luminous Intensity Polar Plot





TEST NUMBER: P#

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2868	2868	2868
5°	2880	2852	2869
10°	2876	2851	2858
15°	2866	2837	2842
20°	2856	2820	2829
25°	2841	2799	2816
30°	2820	2777	2800
35°	2804	2755	2808
40°	2784	2738	2847
45°	2758	2743	2933
50°	2724	2779	3078
55°	2689	2858	3201
60°	2642	2988	3301
65°	2577	3089	3327
70°	2478	3157	3197
75°	2283	3054	2857
80°	2022	2627	2191
85°	1456	1331	869



TEST NUMBER: P#

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.8	3.1
10°-20°	577.6	8.8
20°-30°	874.6	13.3
30°-40°	1060.7	16.2
40°-50°	1134.8	17.3
50°-60°	1099.8	16.8
60°-70°	921.1	14.0
70°-80°	566.0	8.6
80°-90°	125.0	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°	1654.0	25.2
0°-40°	2714.7	41.4
0°-60°	4949.3	75.4
0°-90°	6561.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6561.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2131	2131	2131	2131	2131	
5°	2132	2128	2112	2126	2124	203
15°	2058	2053	2037	2046	2040	581
25°	1914	1902	1885	1898	1897	882
35°	1707	1685	1677	1706	1709	1068
45°	1450	1418	1442	1515	1542	1118
55°	1146	1115	1218	1339	1364	1023
65°	809	805	970	1036	1045	800
75°	439	513	587	562	550	467
85°	94	126	86	60	56	119
90°	0	0	0	0	0	



TEST NUMBER: P#

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2131.2	2131.2	2131.2	2131.2	2131.2
2.5°	2139.3	2133.5	2117.4	2131.2	2130.1
5°	2132.4	2127.8	2111.7	2125.5	2124.3
7.5°	2122.0	2117.4	2101.3	2115.1	2111.7
10°	2104.8	2101.3	2086.4	2096.7	2092.2
12.5°	2084.1	2080.7	2063.4	2074.9	2069.2
15°	2057.7	2053.1	2037.0	2046.2	2040.4
17.5°	2027.8	2022.0	2005.9	2015.1	2009.4
20°	1994.4	1986.4	1969.2	1981.8	1976.0
22.5°	1954.2	1948.5	1927.8	1941.6	1935.8
25°	1914.0	1902.5	1885.2	1897.9	1896.7
27.5°	1865.7	1854.2	1837.0	1851.9	1849.6
30°	1815.1	1802.5	1787.5	1802.5	1802.5
32.5°	1762.2	1746.1	1734.6	1751.9	1757.6
35°	1707.1	1685.2	1677.2	1705.9	1709.4
37.5°	1646.1	1624.3	1617.4	1655.3	1664.5
40°	1585.2	1557.6	1558.8	1607.0	1620.8
42.5°	1517.4	1489.8	1502.4	1558.8	1584.1
45°	1449.6	1418.5	1441.5	1515.1	1541.5
47.5°	1378.3	1348.4	1386.3	1472.6	1505.9
50°	1301.3	1271.4	1327.7	1432.3	1470.3
52.5°	1223.1	1192.1	1271.4	1390.9	1425.4
55°	1146.1	1115.0	1218.5	1339.2	1364.5
57.5°	1063.3	1036.9	1163.3	1271.4	1296.7
60°	981.7	958.7	1110.4	1202.4	1226.6
62.5°	897.8	880.5	1046.1	1123.1	1136.9
65°	809.3	804.7	970.2	1035.7	1044.9
67.5°	720.8	732.3	892.0	934.6	935.7
70°	629.9	661.0	802.4	820.8	812.7
72.5°	538.0	592.0	703.5	694.3	687.4
75°	439.1	512.7	587.4	562.1	549.5
77.5°	349.5	432.2	463.3	427.6	408.1
80°	260.9	341.4	339.1	293.1	282.8
82.5°	175.9	238.0	203.5	165.5	144.8
85°	94.3	126.4	86.2	59.8	56.3
87.5°	35.6	29.9	23.0	20.7	20.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)