

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: **6RSRK-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: 6RSRK-TB-100-HE-L940
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 4000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

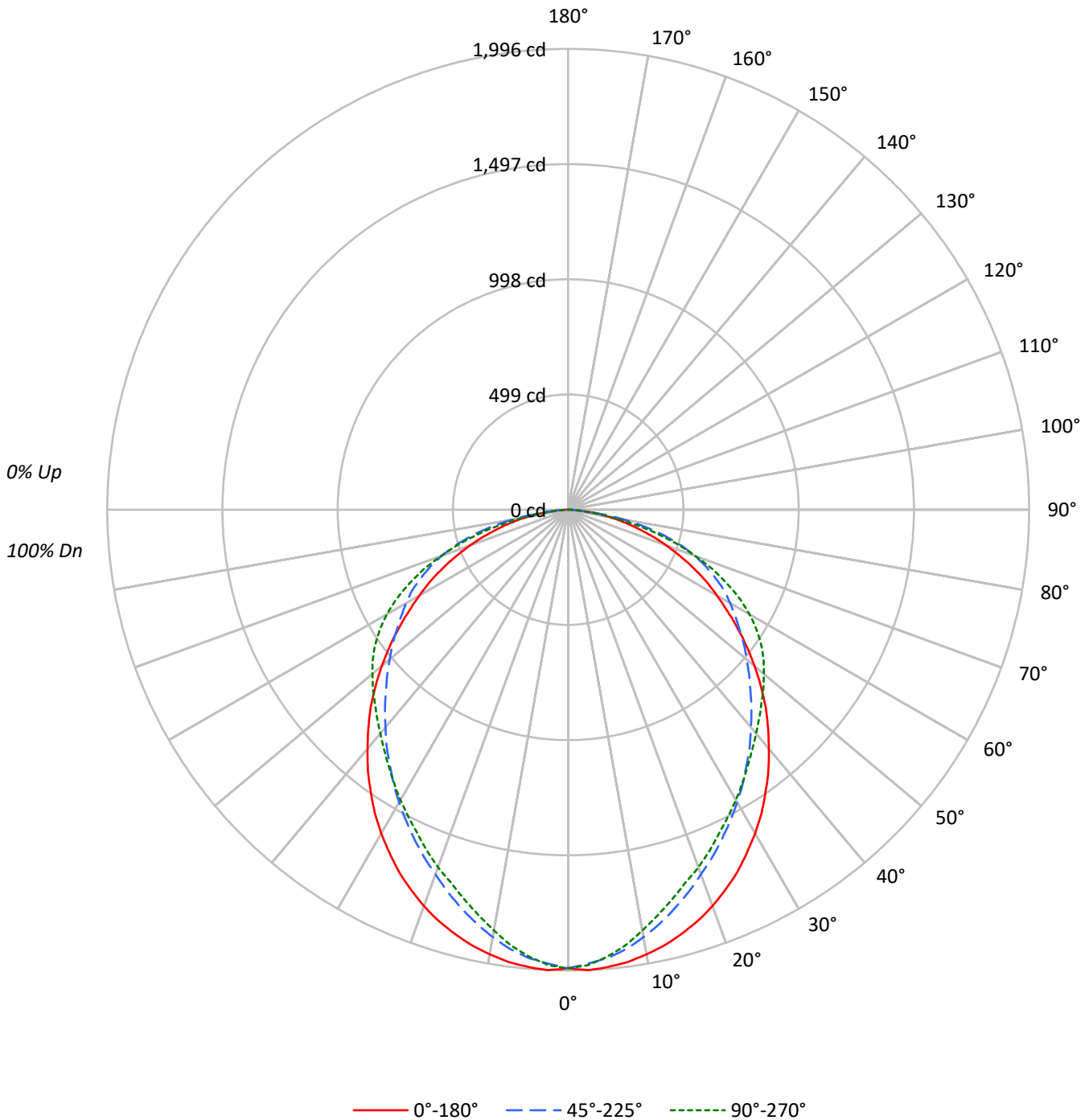
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5195.3 lumens
Efficiency: N/A
Efficacy: 180.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
Luminous Opening: Rectangular (W 1' x L: 6' 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	2968
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°	2373	3060	3066
75°	2131	2969	2747
80°	1865	2520	2040
85°	1400	1332	862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.1	3.6
10°-20°	509.3	9.8
20°-30°	740.9	14.3
30°-40°	866.6	16.7
40°-50°	890.8	17.1
50°-60°	828.7	16.0
60°-70°	674.1	13.0
70°-80°	408.3	7.9
80°-90°	91.5	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°	1435.3	27.6
0°-40°	2301.9	44.3
0°-60°	4021.4	77.4
0°-90°	5195.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5195.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1986	1986	1986	1986	1986	
5°	1988	1976	1949	1953	1943	189
15°	1901	1860	1787	1760	1745	536
25°	1732	1659	1575	1559	1546	797
35°	1490	1411	1347	1356	1355	932
45°	1209	1131	1117	1166	1184	931
55°	896	847	906	998	1020	802
65°	598	587	706	762	760	592
75°	307	366	428	409	396	329
85°	68	94	65	47	42	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1986.0	1986.0	1986.0	1986.0	1986.0
2.5°	1996.5	1987.3	1967.7	1978.8	1974.3
5°	1988.0	1976.2	1949.4	1953.3	1942.9
7.5°	1975.6	1958.6	1920.0	1912.1	1903.0
10°	1955.9	1931.1	1880.1	1867.7	1850.7
12.5°	1931.7	1899.7	1835.6	1813.4	1797.7
15°	1901.0	1860.5	1786.6	1759.8	1744.7
17.5°	1867.7	1817.3	1735.6	1708.1	1692.4
20°	1826.5	1768.9	1680.6	1657.7	1648.6
22.5°	1780.7	1714.6	1629.6	1609.4	1598.9
25°	1732.3	1659.1	1574.7	1559.0	1545.9
27.5°	1675.4	1600.9	1519.1	1508.0	1498.8
30°	1618.5	1542.0	1464.2	1456.3	1452.4
32.5°	1558.3	1475.3	1406.6	1405.3	1403.4
35°	1490.3	1411.2	1347.1	1355.6	1355.0
37.5°	1424.3	1343.2	1290.9	1305.9	1309.2
40°	1351.7	1272.6	1230.7	1256.2	1265.4
42.5°	1280.4	1204.6	1174.5	1209.1	1224.2
45°	1209.1	1131.3	1116.9	1166.0	1183.6
47.5°	1131.3	1061.3	1062.7	1125.4	1146.4
50°	1054.2	988.8	1008.4	1081.6	1105.8
52.5°	974.4	918.1	959.3	1039.1	1066.6
55°	895.9	846.9	905.7	997.9	1020.2
57.5°	817.4	778.2	856.7	944.9	967.2
60°	744.2	710.2	809.6	890.0	907.0
62.5°	674.2	646.7	763.2	829.9	838.4
65°	598.4	587.2	705.6	761.8	759.9
67.5°	523.8	526.4	646.7	683.4	680.1
70°	452.5	473.5	583.3	598.4	584.6
72.5°	379.3	418.5	509.4	508.1	494.4
75°	307.4	365.6	428.3	409.4	396.3
77.5°	245.2	308.7	340.1	313.9	293.0
80°	180.5	247.2	243.9	214.5	197.5
82.5°	118.4	172.0	151.1	121.6	113.8
85°	68.0	93.5	64.7	47.1	41.9
87.5°	28.8	24.8	16.3	15.0	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)