

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-L935**

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-L935
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

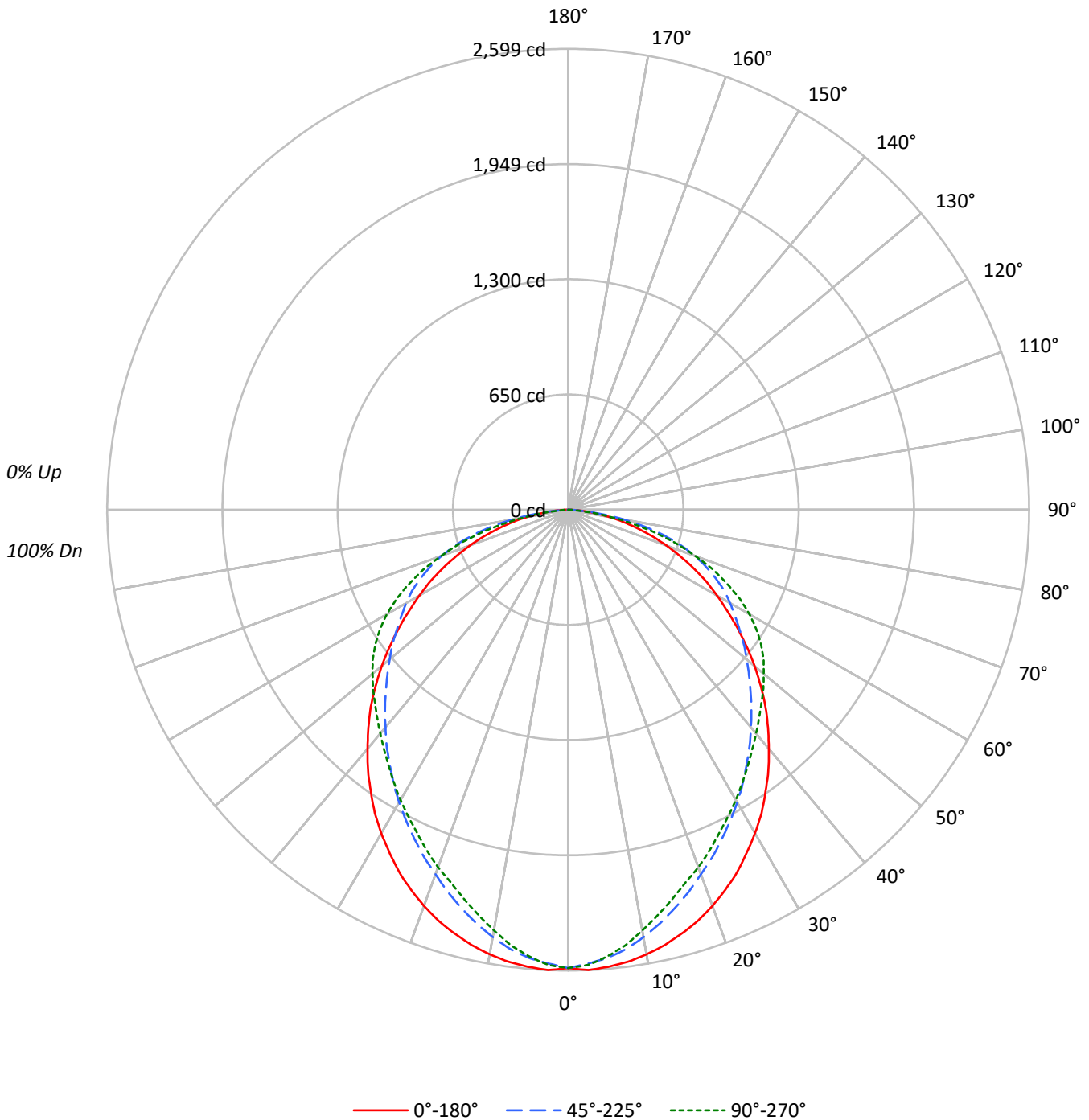
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6763.3 lumens
Efficiency: N/A
Efficacy: 234.8 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

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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°	3479	3479	3479
5°	3495	3427	3416
10°	3479	3344	3292
15°	3447	3240	3164
20°	3404	3133	3073
25°	3348	3043	2988
30°	3274	2961	2937
35°	3187	2881	2897
40°	3091	2814	2893
45°	2995	2767	2932
50°	2873	2748	3013
55°	2736	2766	3115
60°	2607	2836	3178
65°	2480	2925	3149
70°	2317	2987	2994
75°	2080	2899	2682
80°	1821	2460	1992
85°	1366	1301	841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.0	3.6
10°-20°	663.0	9.8
20°-30°	964.6	14.3
30°-40°	1128.2	16.7
40°-50°	1159.6	17.1
50°-60°	1078.8	16.0
60°-70°	877.5	13.0
70°-80°	531.5	7.9
80°-90°	119.1	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°	1868.5	27.6
0°-40°	2996.7	44.3
0°-60°	5235.1	77.4
0°-90°	6763.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6763.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2585	2585	2585	2585	2585	
5°	2588	2573	2538	2543	2529	246
15°	2475	2422	2326	2291	2271	698
25°	2255	2160	2050	2030	2012	1037
35°	1940	1837	1754	1765	1764	1214
45°	1574	1473	1454	1518	1541	1212
55°	1166	1102	1179	1299	1328	1044
65°	779	764	919	992	989	771
75°	400	476	558	533	516	428
85°	88	122	84	61	54	108
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2599.0	2587.1	2561.6	2576.0	2570.1
5°	2588.0	2572.6	2537.7	2542.8	2529.2
7.5°	2571.8	2549.7	2499.4	2489.2	2477.3
10°	2546.2	2513.9	2447.5	2431.3	2409.2
12.5°	2514.8	2473.0	2389.6	2360.7	2340.2
15°	2474.7	2422.0	2325.8	2290.9	2271.3
17.5°	2431.3	2365.8	2259.4	2223.6	2203.2
20°	2377.7	2302.8	2187.8	2158.1	2146.1
22.5°	2318.1	2232.1	2121.4	2095.1	2081.4
25°	2255.1	2159.8	2049.9	2029.5	2012.5
27.5°	2181.0	2084.0	1977.6	1963.1	1951.2
30°	2107.0	2007.4	1906.1	1895.9	1890.7
32.5°	2028.7	1920.5	1831.2	1829.5	1826.9
35°	1940.1	1837.1	1753.7	1764.8	1763.9
37.5°	1854.1	1748.6	1680.5	1700.1	1704.3
40°	1759.6	1656.6	1602.2	1635.4	1647.3
42.5°	1666.9	1568.1	1528.9	1574.1	1593.6
45°	1574.1	1472.8	1454.0	1517.9	1540.9
47.5°	1472.8	1381.7	1383.4	1465.1	1492.3
50°	1372.3	1287.2	1312.7	1408.1	1439.6
52.5°	1268.4	1195.2	1248.9	1352.7	1388.5
55°	1166.3	1102.4	1179.1	1299.1	1328.0
57.5°	1064.1	1013.1	1115.2	1230.1	1259.1
60°	968.8	924.5	1053.9	1158.6	1180.8
62.5°	877.7	841.9	993.5	1080.3	1091.4
65°	778.9	764.5	918.6	991.8	989.2
67.5°	681.9	685.3	841.9	889.6	885.4
70°	589.1	616.3	759.4	778.9	761.1
72.5°	493.8	544.8	663.2	661.5	643.6
75°	400.1	475.9	557.6	532.9	515.9
77.5°	319.2	401.8	442.7	408.6	381.4
80°	235.0	321.8	317.5	279.2	257.1
82.5°	154.1	223.9	196.7	158.3	148.1
85°	88.5	121.7	84.3	61.3	54.5
87.5°	37.5	32.3	21.3	19.6	17.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)