

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-TS-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TS-100-HE-L935
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

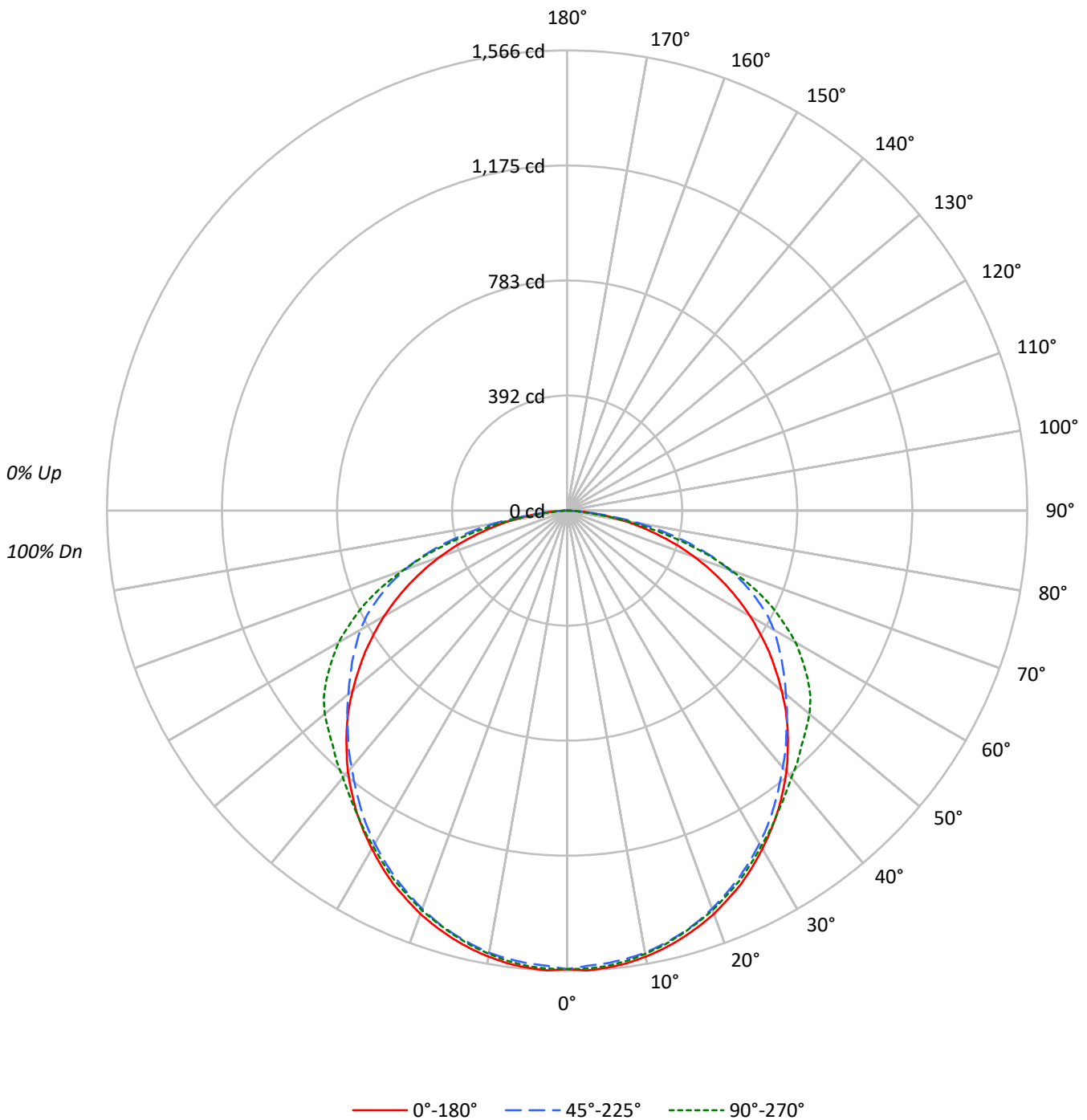
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4804.7 lumens
Efficiency: N/A
Efficacy: 166.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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	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°	2800	2800	2800
5°	2812	2785	2801
10°	2808	2783	2791
15°	2799	2770	2775
20°	2788	2753	2762
25°	2774	2733	2749
30°	2753	2711	2734
35°	2738	2690	2741
40°	2718	2673	2780
45°	2693	2678	2864
50°	2659	2713	3005
55°	2625	2791	3125
60°	2579	2917	3223
65°	2516	3016	3248
70°	2420	3082	3121
75°	2229	2981	2789
80°	1974	2565	2140
85°	1420	1299	848



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	3.1
10°-20°	422.9	8.8
20°-30°	640.4	13.3
30°-40°	776.7	16.2
40°-50°	830.9	17.3
50°-60°	805.4	16.8
60°-70°	674.5	14.0
70°-80°	414.5	8.6
80°-90°	91.5	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°	1211.1	25.2
0°-40°	1987.9	41.4
0°-60°	3624.2	75.4
0°-90°	4804.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4804.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1561	1561	1561	1561	1561	
5°	1562	1558	1546	1556	1556	148
15°	1507	1503	1492	1498	1494	425
25°	1402	1393	1380	1390	1389	645
35°	1250	1234	1228	1249	1252	782
45°	1062	1039	1056	1109	1129	818
55°	839	816	892	981	999	749
65°	593	589	710	758	765	586
75°	322	375	430	412	402	342
85°	69	93	63	44	41	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1560.6	1560.6	1560.6	1560.6	1560.6
2.5°	1566.5	1562.3	1550.5	1560.6	1559.8
5°	1561.5	1558.1	1546.3	1556.4	1555.6
7.5°	1553.9	1550.5	1538.7	1548.8	1546.3
10°	1541.3	1538.7	1527.8	1535.4	1532.0
12.5°	1526.1	1523.6	1511.0	1519.4	1515.2
15°	1506.8	1503.4	1491.6	1498.3	1494.1
17.5°	1484.9	1480.7	1468.9	1475.6	1471.4
20°	1460.5	1454.6	1441.9	1451.2	1447.0
22.5°	1431.0	1426.8	1411.6	1421.7	1417.5
25°	1401.5	1393.1	1380.5	1389.7	1388.9
27.5°	1366.2	1357.8	1345.1	1356.1	1354.4
30°	1329.1	1319.9	1308.9	1319.9	1319.9
32.5°	1290.4	1278.6	1270.2	1282.8	1287.1
35°	1250.0	1234.0	1228.1	1249.2	1251.7
37.5°	1205.4	1189.4	1184.4	1212.1	1218.9
40°	1160.8	1140.6	1141.4	1176.8	1186.9
42.5°	1111.1	1090.9	1100.2	1141.4	1159.9
45°	1061.5	1038.7	1055.6	1109.4	1128.8
47.5°	1009.3	987.4	1015.2	1078.3	1102.7
50°	952.9	931.0	972.2	1048.8	1076.6
52.5°	895.6	872.9	931.0	1018.5	1043.8
55°	839.2	816.5	892.3	980.7	999.2
57.5°	778.6	759.3	851.9	931.0	949.5
60°	718.9	702.0	813.1	880.5	898.2
62.5°	657.4	644.8	766.0	822.4	832.5
65°	592.6	589.2	710.4	758.4	765.2
67.5°	527.8	536.2	653.2	684.4	685.2
70°	461.3	484.0	587.5	601.0	595.1
72.5°	393.9	433.5	515.2	508.4	503.4
75°	321.6	375.4	430.1	411.6	402.4
77.5°	255.9	316.5	339.2	313.1	298.8
80°	191.1	250.0	248.3	214.6	207.1
82.5°	128.8	174.2	149.0	121.2	106.1
85°	69.0	92.6	63.1	43.8	41.2
87.5°	26.1	21.9	16.8	15.2	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)