

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: **4RSRK-TS-50-HE-L835**

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: 4RSRK-TS-50-HE-L835
Description: 4ft RSRK, 500 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

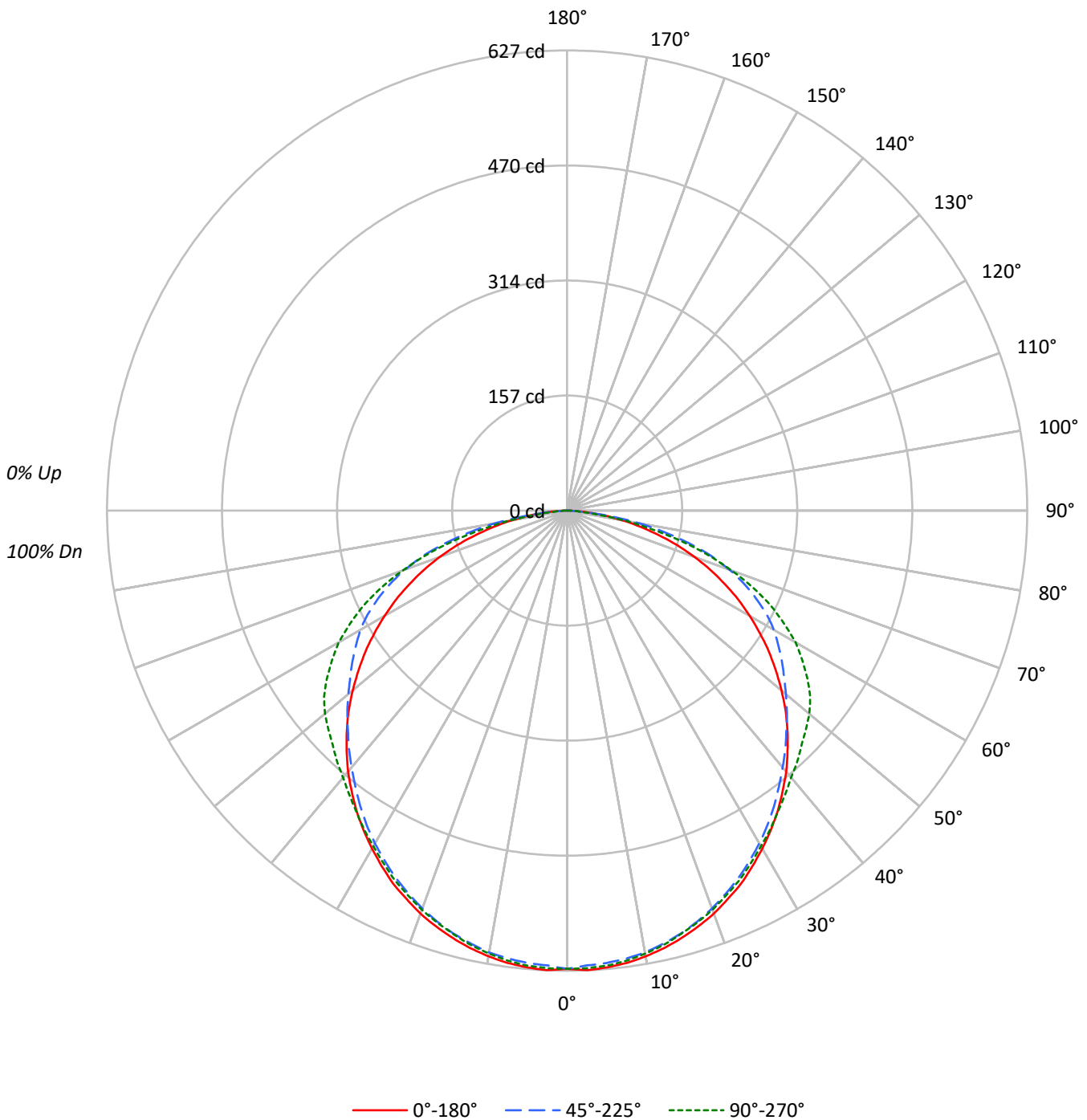
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1922.5 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
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°	1680	1680	1680
5°	1688	1671	1681
10°	1685	1670	1675
15°	1680	1663	1665
20°	1674	1652	1658
25°	1665	1640	1650
30°	1652	1627	1641
35°	1643	1614	1645
40°	1632	1604	1668
45°	1616	1607	1719
50°	1596	1629	1804
55°	1575	1675	1876
60°	1548	1751	1934
65°	1510	1810	1950
70°	1452	1850	1873
75°	1338	1789	1674
80°	1185	1540	1285
85°	852	781	509



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	3.1
10°-20°	169.2	8.8
20°-30°	256.2	13.3
30°-40°	310.8	16.2
40°-50°	332.5	17.3
50°-60°	322.2	16.8
60°-70°	269.9	14.0
70°-80°	165.8	8.6
80°-90°	36.6	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°	484.6	25.2
0°-40°	795.4	41.4
0°-60°	1450.1	75.4
0°-90°	1922.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1922.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	625	623	619	623	622	59
15°	603	602	597	600	598	170
25°	561	557	552	556	556	258
35°	500	494	491	500	501	313
45°	425	416	422	444	452	327
55°	336	327	357	392	400	300
65°	237	236	284	304	306	234
75°	129	150	172	165	161	137
85°	28	37	25	18	16	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	624.4	624.4	624.4	624.4	624.4
2.5°	626.8	625.1	620.4	624.4	624.1
5°	624.8	623.4	618.7	622.8	622.4
7.5°	621.7	620.4	615.7	619.7	618.7
10°	616.7	615.7	611.3	614.3	613.0
12.5°	610.6	609.6	604.6	607.9	606.3
15°	602.9	601.5	596.8	599.5	597.8
17.5°	594.1	592.4	587.7	590.4	588.7
20°	584.4	582.0	576.9	580.7	579.0
22.5°	572.6	570.9	564.8	568.9	567.2
25°	560.8	557.4	552.4	556.1	555.7
27.5°	546.6	543.3	538.2	542.6	541.9
30°	531.8	528.1	523.7	528.1	528.1
32.5°	516.3	511.6	508.2	513.3	515.0
35°	500.2	493.8	491.4	499.8	500.8
37.5°	482.3	475.9	473.9	485.0	487.7
40°	464.5	456.4	456.7	470.9	474.9
42.5°	444.6	436.5	440.2	456.7	464.1
45°	424.7	415.6	422.4	443.9	451.7
47.5°	403.8	395.1	406.2	431.4	441.2
50°	381.3	372.5	389.0	419.7	430.8
52.5°	358.4	349.3	372.5	407.5	417.6
55°	335.8	326.7	357.0	392.4	399.8
57.5°	311.5	303.8	340.8	372.5	379.9
60°	287.6	280.9	325.4	352.3	359.4
62.5°	263.0	258.0	306.5	329.1	333.1
65°	237.1	235.8	284.3	303.5	306.2
67.5°	211.2	214.5	261.4	273.8	274.2
70°	184.6	193.7	235.1	240.5	238.1
72.5°	157.6	173.5	206.1	203.4	201.4
75°	128.7	150.2	172.1	164.7	161.0
77.5°	102.4	126.6	135.7	125.3	119.6
80°	76.5	100.0	99.4	85.9	82.9
82.5°	51.5	69.7	59.6	48.5	42.4
85°	27.6	37.0	25.3	17.5	16.5
87.5°	10.4	8.8	6.7	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)