

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-150-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-150-HE-L835
Description: 4ft RSRK, 1500 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

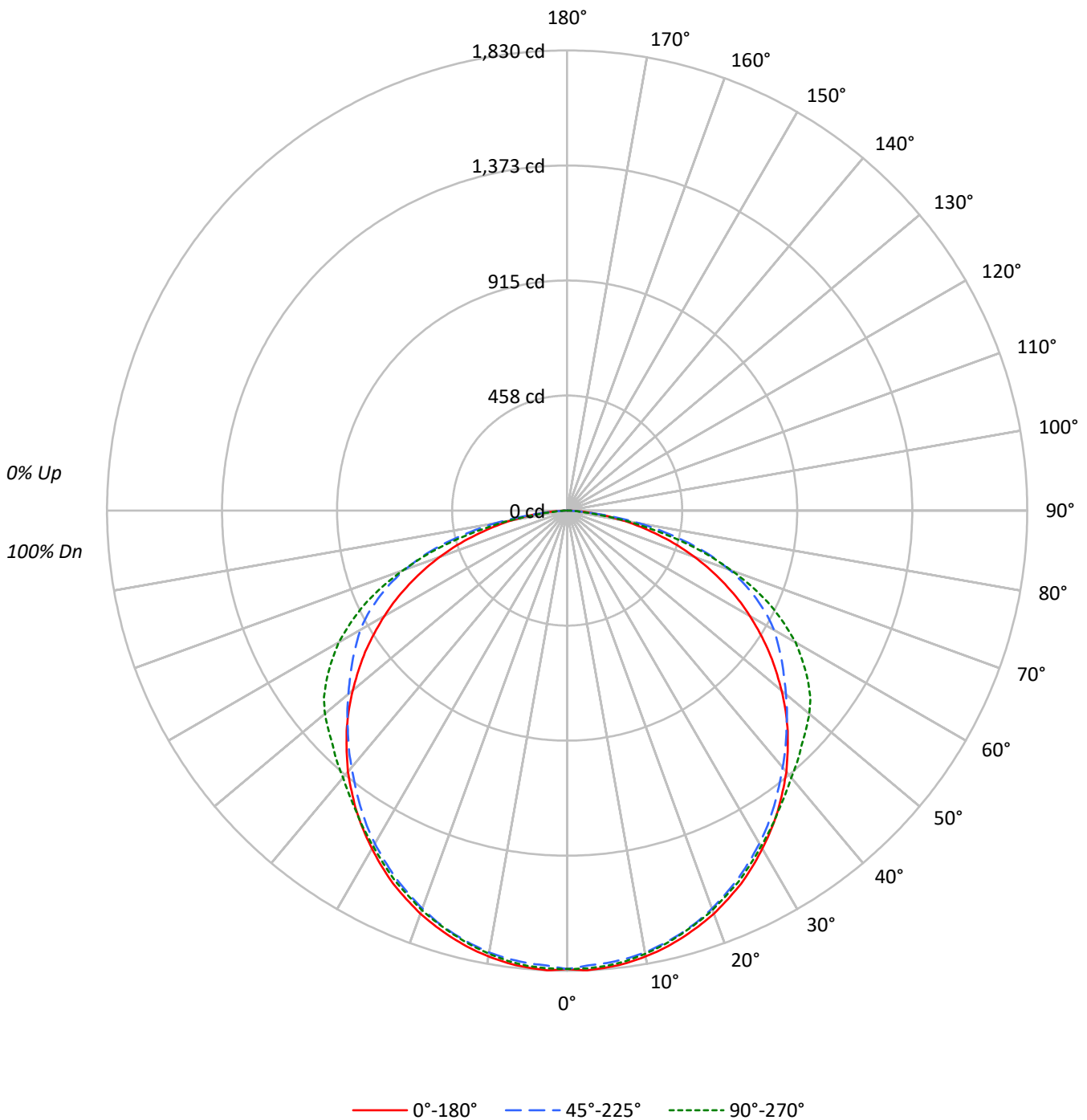
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5612.8 lumens
Efficiency: N/A
Efficacy: 127.0 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): 44.2
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°	4906	4906	4906
5°	4927	4880	4909
10°	4920	4877	4890
15°	4904	4854	4863
20°	4886	4824	4840
25°	4861	4788	4817
30°	4825	4751	4791
35°	4797	4713	4803
40°	4763	4684	4871
45°	4719	4693	5018
50°	4660	4755	5265
55°	4600	4890	5476
60°	4520	5112	5647
65°	4408	5284	5691
70°	4240	5401	5470
75°	3905	5225	4887
80°	3459	4496	3749
85°	2489	2276	1488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	3.1
10°-20°	494.1	8.8
20°-30°	748.1	13.3
30°-40°	907.4	16.2
40°-50°	970.7	17.3
50°-60°	940.8	16.8
60°-70°	787.9	14.0
70°-80°	484.2	8.6
80°-90°	106.9	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°	1414.8	25.2
0°-40°	2322.2	41.4
0°-60°	4233.7	75.4
0°-90°	5612.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5612.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1823	1823	1823	1823	1823	
5°	1824	1820	1806	1818	1817	173
15°	1760	1756	1742	1750	1745	497
25°	1637	1627	1613	1624	1622	754
35°	1460	1442	1435	1459	1462	913
45°	1240	1213	1233	1296	1319	956
55°	980	954	1042	1146	1167	875
65°	692	688	830	886	894	685
75°	376	439	502	481	470	400
85°	81	108	74	51	48	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1823.1	1823.1	1823.1	1823.1	1823.1
2.5°	1830.0	1825.1	1811.3	1823.1	1822.1
5°	1824.1	1820.1	1806.4	1818.2	1817.2
7.5°	1815.2	1811.3	1797.5	1809.3	1806.4
10°	1800.5	1797.5	1784.7	1793.6	1789.7
12.5°	1782.8	1779.8	1765.1	1774.9	1770.0
15°	1760.2	1756.2	1742.5	1750.3	1745.4
17.5°	1734.6	1729.7	1715.9	1723.8	1718.9
20°	1706.1	1699.2	1684.4	1695.3	1690.3
22.5°	1671.7	1666.7	1649.0	1660.8	1655.9
25°	1637.2	1627.4	1612.7	1623.5	1622.5
27.5°	1595.9	1586.1	1571.4	1584.1	1582.2
30°	1552.7	1541.9	1529.1	1541.9	1541.9
32.5°	1507.4	1493.7	1483.8	1498.6	1503.5
35°	1460.2	1441.6	1434.7	1459.3	1462.2
37.5°	1408.1	1389.4	1383.5	1416.0	1423.9
40°	1356.0	1332.4	1333.4	1374.7	1386.5
42.5°	1298.0	1274.4	1285.2	1333.4	1355.0
45°	1240.0	1213.4	1233.1	1296.0	1318.6
47.5°	1179.0	1153.4	1185.9	1259.6	1288.2
50°	1113.1	1087.6	1135.7	1225.2	1257.7
52.5°	1046.3	1019.7	1087.6	1189.8	1219.3
55°	980.4	953.8	1042.3	1145.6	1167.2
57.5°	909.6	887.0	995.1	1087.6	1109.2
60°	839.8	820.1	949.9	1028.6	1049.2
62.5°	768.0	753.2	894.8	960.7	972.5
65°	692.3	688.3	829.9	886.0	893.8
67.5°	616.5	626.4	763.1	799.4	800.4
70°	538.9	565.4	686.4	702.1	695.2
72.5°	460.2	506.4	601.8	593.9	588.0
75°	375.6	438.6	502.5	480.8	470.0
77.5°	298.9	369.7	396.3	365.8	349.1
80°	223.2	292.0	290.1	250.7	241.9
82.5°	150.4	203.5	174.0	141.6	123.9
85°	80.6	108.2	73.7	51.1	48.2
87.5°	30.5	25.6	19.7	17.7	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)