

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-200-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: 4RSRK-TS-200-HE-L935
Description: 4ft RSRK, 2000 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

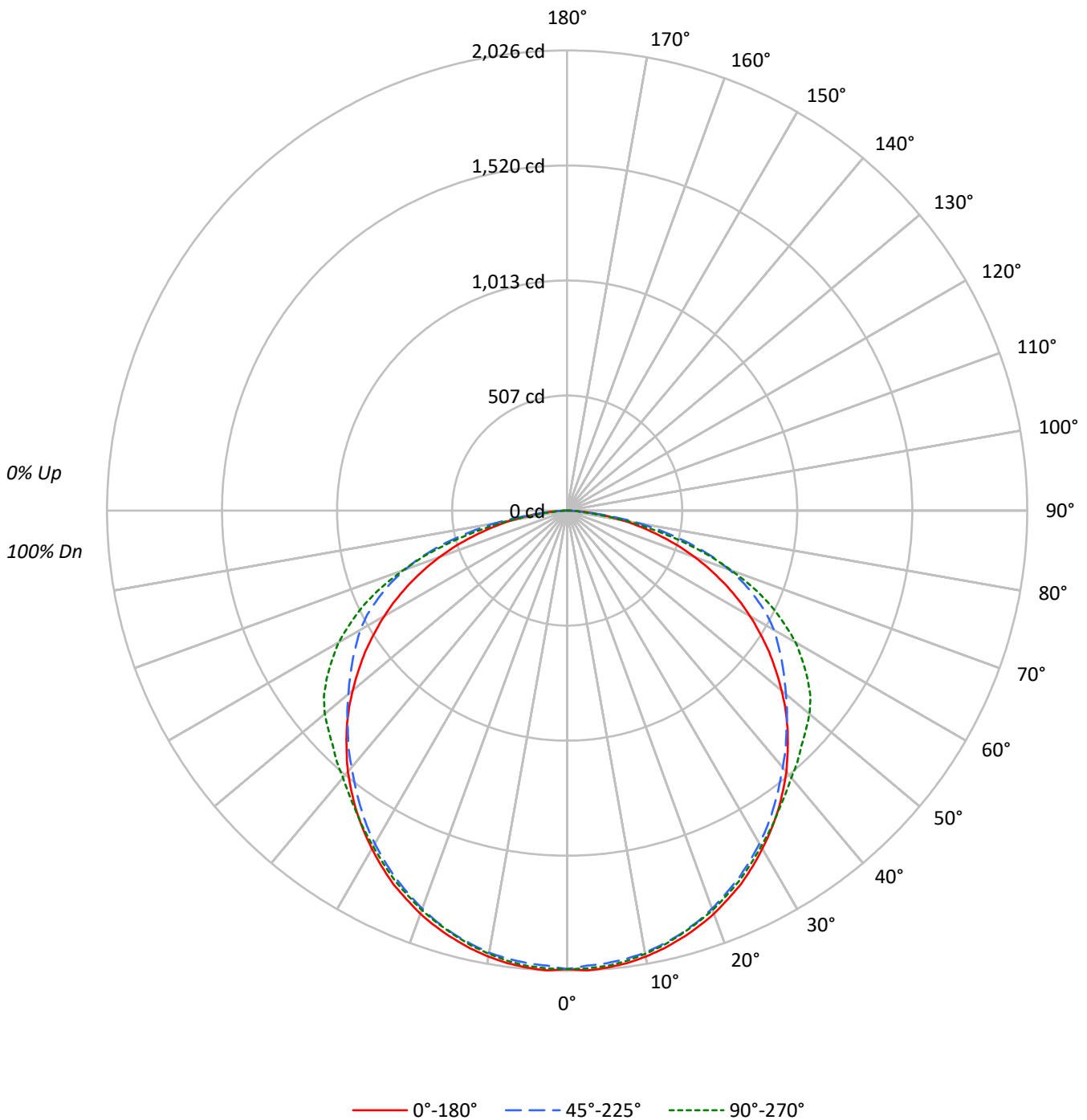
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6215.4 lumens
Efficiency: N/A
Efficacy: 101.6 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): 61.2
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°	5433	5433	5433
5°	5456	5403	5436
10°	5448	5400	5415
15°	5430	5375	5385
20°	5410	5342	5360
25°	5383	5302	5335
30°	5343	5261	5305
35°	5312	5219	5319
40°	5275	5187	5394
45°	5225	5197	5557
50°	5160	5265	5830
55°	5093	5415	6064
60°	5005	5661	6253
65°	4881	5852	6302
70°	4695	5980	6057
75°	4325	5785	5412
80°	3831	4978	4152
85°	2757	2523	1649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	3.1
10°-20°	547.1	8.8
20°-30°	828.4	13.3
30°-40°	1004.8	16.2
40°-50°	1074.9	17.3
50°-60°	1041.8	16.8
60°-70°	872.5	14.0
70°-80°	536.2	8.6
80°-90°	118.4	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°	1566.7	25.2
0°-40°	2571.5	41.4
0°-60°	4688.3	75.4
0°-90°	6215.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6215.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2019	2019	2019	2019	2019	
5°	2020	2016	2000	2013	2012	192
15°	1949	1945	1930	1938	1933	550
25°	1813	1802	1786	1798	1797	835
35°	1617	1596	1589	1616	1619	1011
45°	1373	1344	1366	1435	1460	1059
55°	1086	1056	1154	1269	1292	969
65°	767	762	919	981	990	758
75°	416	486	556	532	520	443
85°	89	120	82	57	53	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2018.8	2018.8	2018.8	2018.8	2018.8
2.5°	2026.4	2021.0	2005.8	2018.8	2017.7
5°	2019.9	2015.6	2000.3	2013.4	2012.3
7.5°	2010.1	2005.8	1990.5	2003.6	2000.3
10°	1993.8	1990.5	1976.4	1986.2	1981.8
12.5°	1974.2	1970.9	1954.6	1965.5	1960.0
15°	1949.1	1944.8	1929.5	1938.2	1932.8
17.5°	1920.8	1915.4	1900.1	1908.8	1903.4
20°	1889.2	1881.6	1865.3	1877.3	1871.8
22.5°	1851.1	1845.7	1826.1	1839.2	1833.7
25°	1813.0	1802.1	1785.8	1797.8	1796.7
27.5°	1767.3	1756.4	1740.1	1754.2	1752.0
30°	1719.4	1707.4	1693.2	1707.4	1707.4
32.5°	1669.3	1654.0	1643.2	1659.5	1664.9
35°	1617.0	1596.3	1588.7	1615.9	1619.2
37.5°	1559.3	1538.6	1532.1	1568.0	1576.7
40°	1501.6	1475.5	1476.6	1522.3	1535.4
42.5°	1437.4	1411.2	1423.2	1476.6	1500.5
45°	1373.1	1343.7	1365.5	1435.2	1460.2
47.5°	1305.6	1277.3	1313.2	1394.9	1426.5
50°	1232.6	1204.3	1257.7	1356.8	1392.7
52.5°	1158.6	1129.2	1204.3	1317.6	1350.2
55°	1085.6	1056.2	1154.2	1268.6	1292.5
57.5°	1007.2	982.2	1102.0	1204.3	1228.3
60°	929.9	908.1	1051.9	1139.0	1161.9
62.5°	850.4	834.1	990.9	1063.9	1076.9
65°	766.6	762.2	919.0	981.1	989.8
67.5°	682.7	693.6	845.0	885.3	886.4
70°	596.7	626.1	760.1	777.5	769.9
72.5°	509.6	560.8	666.4	657.7	651.2
75°	416.0	485.7	556.4	532.5	520.5
77.5°	331.0	409.4	438.8	405.1	386.6
80°	247.2	323.4	321.2	277.7	267.9
82.5°	166.6	225.4	192.7	156.8	137.2
85°	89.3	119.8	81.7	56.6	53.4
87.5°	33.8	28.3	21.8	19.6	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)