

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-L950**

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-L950
Description: 4ft RSRK, 2000 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

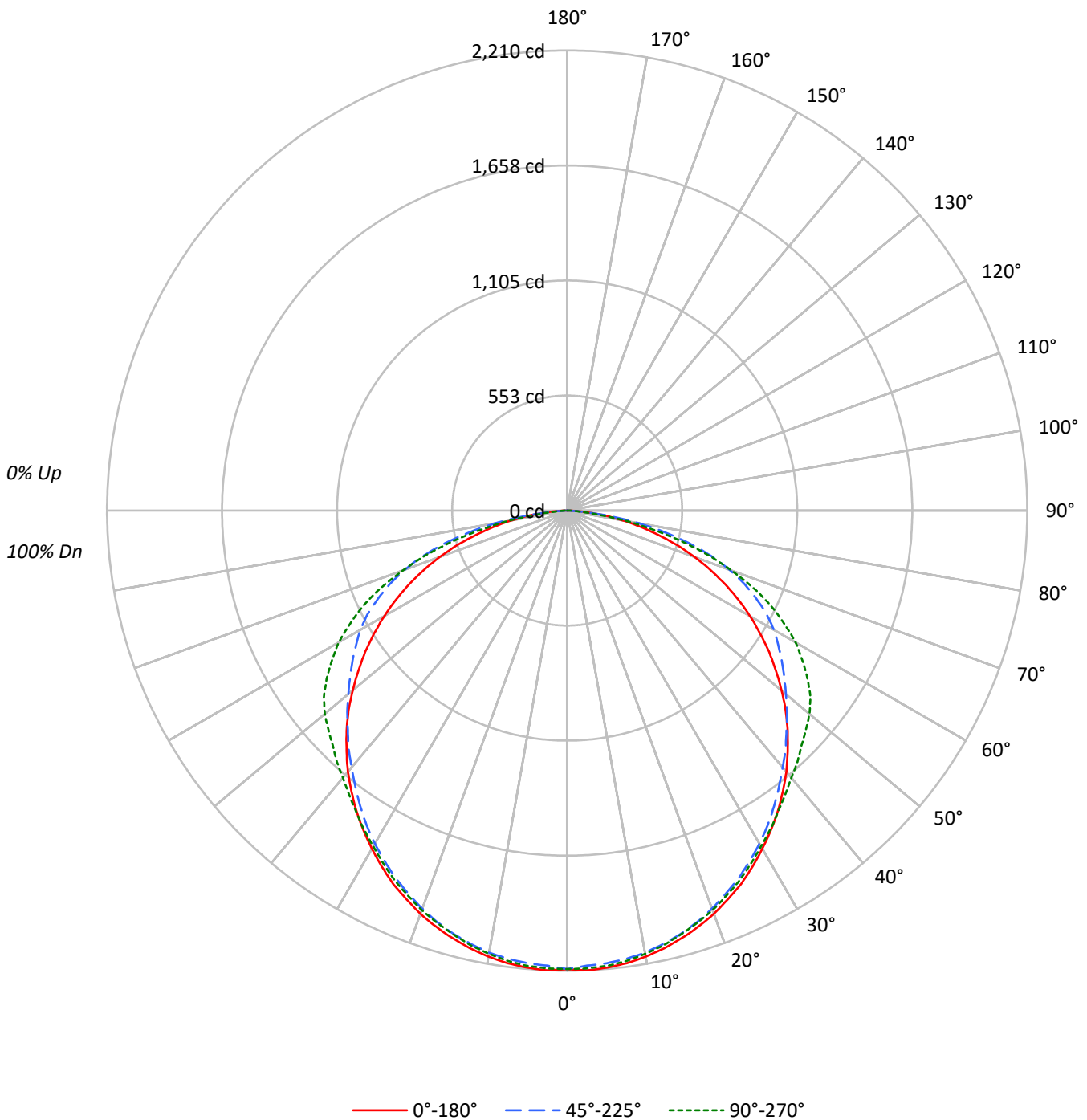
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6779.9 lumens
Efficiency: N/A
Efficacy: 110.8 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°	5926	5926	5926
5°	5952	5894	5929
10°	5943	5891	5907
15°	5923	5864	5874
20°	5901	5827	5847
25°	5872	5784	5819
30°	5828	5739	5787
35°	5795	5693	5802
40°	5754	5658	5883
45°	5700	5668	6062
50°	5629	5743	6360
55°	5556	5907	6615
60°	5459	6175	6821
65°	5324	6383	6875
70°	5121	6523	6607
75°	4717	6311	5903
80°	4178	5430	4528
85°	3007	2751	1797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.5	3.1
10°-20°	596.8	8.8
20°-30°	903.7	13.3
30°-40°	1096.0	16.2
40°-50°	1172.5	17.3
50°-60°	1136.5	16.8
60°-70°	951.8	14.0
70°-80°	584.9	8.6
80°-90°	129.2	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°	1709.0	25.2
0°-40°	2805.1	41.4
0°-60°	5114.0	75.4
0°-90°	6779.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6779.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2202	2202	2202	2202	2202	
5°	2203	2199	2182	2196	2195	209
15°	2126	2121	2105	2114	2108	600
25°	1978	1966	1948	1961	1960	911
35°	1764	1741	1733	1763	1766	1103
45°	1498	1466	1490	1566	1593	1155
55°	1184	1152	1259	1384	1410	1057
65°	836	831	1002	1070	1080	827
75°	454	530	607	581	568	483
85°	97	131	89	62	58	123
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2202.2	2202.2	2202.2	2202.2	2202.2
2.5°	2210.5	2204.5	2187.9	2202.2	2201.0
5°	2203.3	2198.6	2182.0	2196.2	2195.0
7.5°	2192.7	2187.9	2171.3	2185.5	2182.0
10°	2174.8	2171.3	2155.8	2166.5	2161.8
12.5°	2153.5	2149.9	2132.1	2144.0	2138.0
15°	2126.1	2121.4	2104.8	2114.3	2108.3
17.5°	2095.3	2089.3	2072.7	2082.2	2076.2
20°	2060.8	2052.5	2034.7	2047.7	2041.8
22.5°	2019.2	2013.3	1991.9	2006.2	2000.2
25°	1977.7	1965.8	1948.0	1961.0	1959.8
27.5°	1927.8	1915.9	1898.1	1913.5	1911.1
30°	1875.5	1862.4	1847.0	1862.4	1862.4
32.5°	1820.9	1804.2	1792.4	1810.2	1816.1
35°	1763.9	1741.3	1733.0	1762.7	1766.2
37.5°	1700.9	1678.3	1671.2	1710.4	1719.9
40°	1638.0	1609.4	1610.6	1660.5	1674.8
42.5°	1567.9	1539.4	1552.4	1610.6	1636.8
45°	1497.8	1465.7	1489.5	1565.5	1592.8
47.5°	1424.2	1393.3	1432.5	1521.6	1556.0
50°	1344.6	1313.7	1371.9	1480.0	1519.2
52.5°	1263.8	1231.7	1313.7	1437.2	1472.9
55°	1184.2	1152.2	1259.1	1383.8	1409.9
57.5°	1098.7	1071.4	1202.0	1313.7	1339.8
60°	1014.4	990.6	1147.4	1242.4	1267.4
62.5°	927.7	909.8	1080.9	1160.5	1174.7
65°	836.2	831.4	1002.5	1070.2	1079.7
67.5°	744.7	756.6	921.7	965.7	966.9
70°	650.9	683.0	829.1	848.1	839.8
72.5°	555.9	611.7	726.9	717.4	710.3
75°	453.7	529.8	607.0	580.8	567.8
77.5°	361.1	446.6	478.7	441.9	421.7
80°	269.6	352.8	350.4	302.9	292.2
82.5°	181.7	245.9	210.2	171.0	149.7
85°	97.4	130.7	89.1	61.8	58.2
87.5°	36.8	30.9	23.8	21.4	21.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)