

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-TB-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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-TB-200-HE-L950
Description: 4ft RSRK, 2000 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

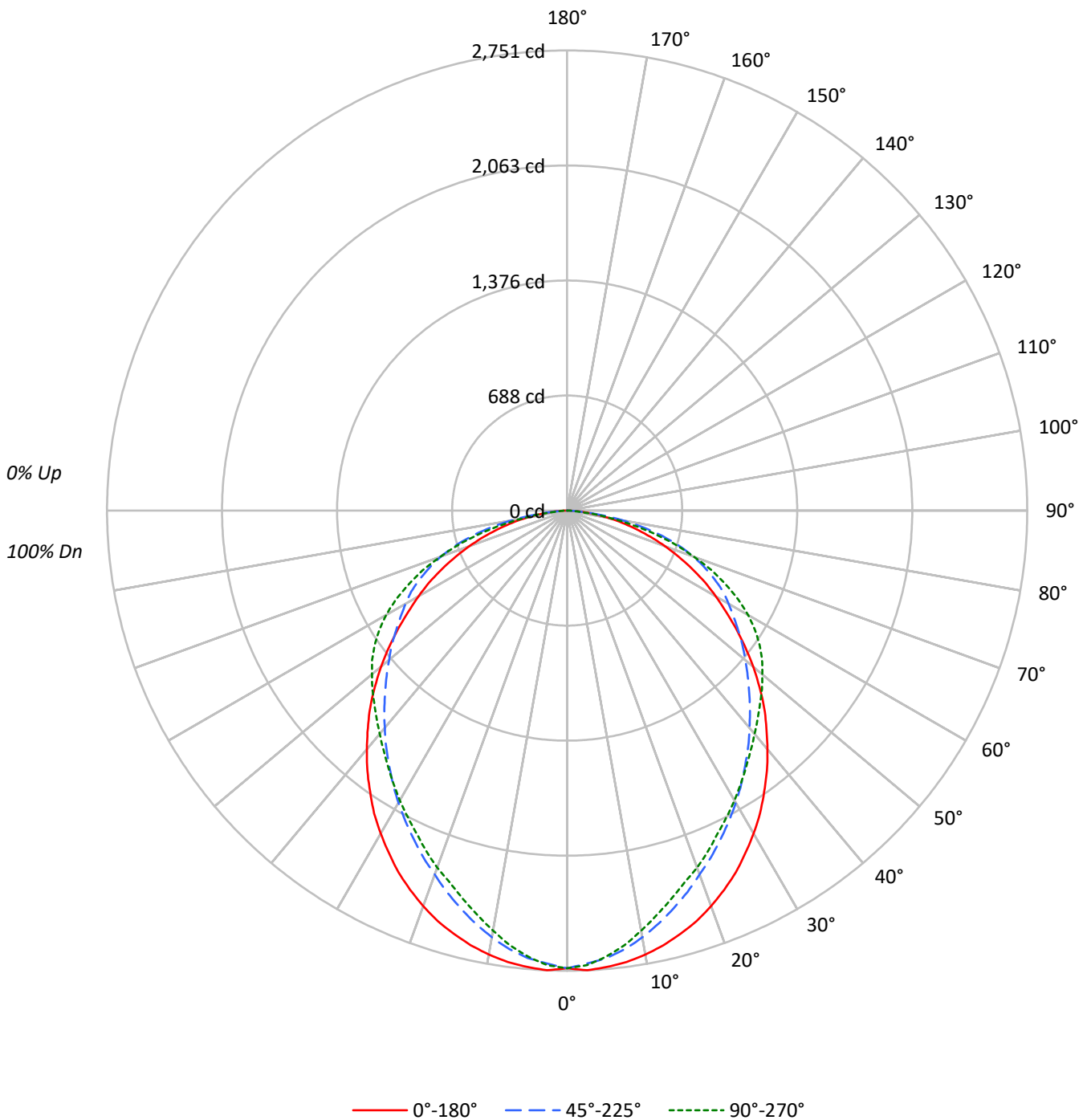
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7157.5 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83				83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69				69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58				58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49				49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43				43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37				37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33				33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30				30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27				27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7363	7363	7363
5°	7398	7255	7230
10°	7363	7078	6967
15°	7296	6857	6696
20°	7206	6631	6504
25°	7086	6442	6324
30°	6929	6268	6218
35°	6745	6097	6132
40°	6542	5956	6124
45°	6339	5856	6206
50°	6080	5816	6378
55°	5791	5854	6594
60°	5518	6003	6725
65°	5249	6190	6666
70°	4905	6323	6337
75°	4402	6135	5677
80°	3854	5207	4217
85°	2893	2754	1782



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.0	3.6
10°-20°	701.7	9.8
20°-30°	1020.8	14.3
30°-40°	1193.9	16.7
40°-50°	1227.2	17.1
50°-60°	1141.7	16.0
60°-70°	928.7	13.0
70°-80°	562.5	7.9
80°-90°	126.0	1.8
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°	1977.5	27.6
0°-40°	3171.4	44.3
0°-60°	5540.3	77.4
0°-90°	7157.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7157.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2736	2736	2736	2736	2736	
5°	2739	2723	2686	2691	2677	260
15°	2619	2563	2461	2424	2404	739
25°	2387	2286	2170	2148	2130	1098
35°	2053	1944	1856	1868	1867	1285
45°	1666	1559	1539	1606	1631	1282
55°	1234	1167	1248	1375	1406	1105
65°	824	809	972	1050	1047	816
75°	423	504	590	564	546	453
85°	94	129	89	65	58	114
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2736.1	2736.1	2736.1	2736.1	2736.1
2.5°	2750.6	2737.9	2710.9	2726.2	2719.9
5°	2738.8	2722.6	2685.7	2691.1	2676.7
7.5°	2721.7	2698.3	2645.1	2634.3	2621.7
10°	2694.7	2660.5	2590.2	2573.1	2549.6
12.5°	2661.4	2617.2	2528.9	2498.3	2476.7
15°	2619.0	2563.2	2461.4	2424.4	2403.7
17.5°	2573.1	2503.7	2391.1	2353.2	2331.6
20°	2516.3	2437.0	2315.4	2283.9	2271.3
22.5°	2453.2	2362.3	2245.1	2217.2	2202.8
25°	2386.6	2285.7	2169.5	2147.8	2129.8
27.5°	2308.2	2205.5	2092.9	2077.6	2064.9
30°	2229.8	2124.4	2017.2	2006.4	2001.0
32.5°	2146.9	2032.5	1937.9	1936.1	1933.4
35°	2053.2	1944.2	1855.9	1867.6	1866.7
37.5°	1962.2	1850.5	1778.4	1799.2	1803.7
40°	1862.2	1753.2	1695.6	1730.7	1743.3
42.5°	1764.0	1659.5	1618.1	1665.8	1686.6
45°	1665.8	1558.6	1538.8	1606.4	1630.7
47.5°	1558.6	1462.2	1464.0	1550.5	1579.3
50°	1452.3	1362.2	1389.2	1490.1	1523.5
52.5°	1342.4	1264.9	1321.7	1431.6	1469.4
55°	1234.3	1166.7	1247.8	1374.8	1405.5
57.5°	1126.2	1072.1	1180.2	1301.9	1332.5
60°	1025.3	978.4	1115.4	1226.2	1249.6
62.5°	928.9	891.0	1051.4	1143.3	1155.0
65°	824.4	809.0	972.1	1049.6	1046.9
67.5°	721.7	725.3	891.0	941.5	937.0
70°	623.4	652.3	803.6	824.4	805.4
72.5°	522.5	576.6	701.8	700.0	681.1
75°	423.4	503.6	590.1	564.0	546.0
77.5°	337.9	425.2	468.5	432.4	403.6
80°	248.7	340.6	336.0	295.5	272.1
82.5°	163.1	236.9	208.1	167.6	156.8
85°	93.7	128.8	89.2	64.9	57.7
87.5°	39.6	34.2	22.5	20.7	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)